

Section V. Project Requirements and Provisions for Work

Submittals:

1. Plans Component Submittals:

~~Plans must meet the minimum contents of a particular phase submittal prior to submission for review. The particular phase of each submittal shall be clearly indicated on the cover sheet. The Design-Build Firm may submit components of the contract plans set instead of submitting the entire contract plans set. In accordance with the Plans Preparation Manual, components of the contract plans set are roadway, signing and pavement marking, signalization, ITS, lighting, landscape, architectural, structural, and toll facilities. Component submittals must be accompanied by sufficient information for adjoining components or areas of work to allow for proper evaluation of the component under review.~~

~~The Design-Build Firm may divide the project into separate areas and submit components for each area; however, sufficient information on adjoining areas must be provided to allow for a complete review. Submittals for each Category I and II bridges are limited to the following component submittals: foundation, substructure, and superstructure. Submittals for each category II bridge are limited to foundation, approach substructure, approach superstructure, main unit substructure, and main unit superstructure. Bridge component submittals must be accompanied by all supplemental information required for a complete review. Further dividing the foundation, substructure, or superstructure into Submittals for individual component elements (i.e. Pier 2, Abutment 1, Span 4, etc.) and incomplete submittals will not be accepted.~~

~~Category I and II bridge component submittals shall contain the following:
Plan sheets for the component under review developed to the specified level of detail (i.e. 90% plans, Final plans, etc.);
A complete set of the most developed plan sheets for all other major elements of the bridge. These sheets shall be marked "For Information Only" on the index sheet. In no case shall a plan sheet be less than 30% complete.
Design documentation including a complete set of calculations, geotechnical reports, pertinent correspondence, etc. in support of the 90% and final component submittals.
For Category II bridges component submittals shall also include independent peer review documentation.~~

~~**Note to developer of the RFP: Category Level II bridge substructure and superstructure submittals may further be broken into approach and main span units.**~~

2. Phase Submittals:

~~The Design-Build Firm shall provide the copies of required review documents as for each phase submittal listed below to the Department's Project Manager. The particular phase shall be clearly indicated on the documents. The Department's Project Manager will send the documents to the appropriate office for review and comment. Once all comments requiring a response from the Design-Build Firm have been satisfactorily resolved as determined by the Department, the Department's Project Manager will initial, date and stamp the signed and sealed plans and specifications as "Released for Construction".~~

~~**Note to developer of the RFP: Submittal Requirements shown below shall not be modified without prior approval of the Chief Engineer (via a request submitted through the State Construction Office).**~~

Comment [Rudy1]: These changes are to combine and clarify.

Comment [Rudy2]: These changes are to combine and clarify.
Also, combined Final and Construction Set into a single submittal.

90% Phase Submittal Component Plans

- ~~___~~ ___ copies ~~sets~~ of 11" X 17" ~~roadway~~ plans
- ~~___~~ ___ sets of 11" X 17" ~~structure~~ plans
- ~~___~~ ___ sets of 11" X 17" ~~each component set~~
- ___ Signed and sealed Geotechnical Report
- ___ copies of signed and sealed ~~Final~~ Geotechnical Report
- ___ Signed and sealed Bridge Hydraulic Report
- ~~___~~ ___ copies of ~~Final~~ signed and sealed Bridge Hydraulic Report
- ___
- ~~___~~ ___ copies ~~sets~~ of design documentation ~~roadway/drainage~~
- ~~___~~ ___ set of ~~documentation~~ ~~structures~~
- ___ copies ~~y~~ of Technical Special Provisions
- ~~___~~ ___ Load Rating
- ___
- ~~___~~ ___ Independent Peer ~~r~~ Reviewer's comments and ~~designer's~~ comment responses
- ___

Any Technical Special Provision submitted that was not included in the technical proposal requires a contract modification.

~~___~~ **Final Submittal Component Plans**

- ___ Signed and sealed 11" X 17" plans
- ~~___~~ ___ copies ~~sets~~ of signed and sealed 11" X 17" ~~roadway~~ plans
- ~~___~~ ___ sets of 11" X 17" ~~structure~~ plans
- ~~___~~ ___ sets of 11" X 17" ~~each component set~~
- ___ Signed and sealed design documentation
- ___ copies ~~sets~~ of ~~final~~ signed and sealed documentation
- ___ ~~1 s~~ Signed and sealed copy of Construction Specifications Package or Supplemental Specifications Package
- ___ copies of signed and sealed Construction Specifications Package or Supplemental Specifications Package
- ~~___~~ ___ 2 sets of ~~electronic copies of Technical Special Provisions on CD~~
- Independent Peer Reviewer's signed and sealed cover letter that all comments have been addressed and resolved.

Construction Set:

~~1 set of 11" X 17" copies of the signed and sealed plans for the Department to stamp "Released for construction"~~

~~Final signed and sealed plans will be delivered to the Department's Project Manager prior to construction of any component. The Department's Project Manager will send a copy of final signed and sealed plans to the appropriate office for review and comment. Once all comments have been satisfactorily resolved as determined by the Department, the Department's Project Manager will initial, date and stamp each submittal as "Released for Construction". Only signed and sealed plans which are stamped "Released for Construction" by the Department's Project Manager are valid and all work that the Design Build Firm performs in advance of the Department's release of Plans will be at the Design Build Firm's risk. To~~

~~work at risk, the Design-Build Firm must submit signed and sealed plans and can begin working prior to the Department's Project Manager providing stamped "Release for Construction" plans. The Design-Build Firm shall notify the Department five (5) days prior to starting work at risk. All work that the Design-Build Firm performs in advance of the Department's release of Plans will be at the Design-Build Firm's risk.~~

3. Requirements to Begin Construction:

The Design-Build Firm may choose to begin construction prior to completion of the Phase Submittals and the Department stamping the plans and specifications Released for Construction. To begin construction the Design-Build Firm shall submit signed and sealed plans for the specific activity; submit a signed and sealed Construction Specifications Package or Supplemental Specifications Package; obtain regulatory permits as required for the specific activity; obtain utility agreements and permits, if applicable; and provide five (5) days notice before starting the specific activity. The plans to begin construction may be in any format including report with details, 8 1/2" X 11" sheets, or 11" X 17" sheets, and only the information needed by the Design-Build Firm to construct the specific activity needs to be shown. Beginning construction prior to the Department stamping the plans and specifications Released for Construction does not reduce or eliminate the Phase Submittal requirements.

Comment [Rudy3]: Combined, clarified, and added language.

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4. Record Set:

The Design-Build Firm shall furnish to the Department, upon Project completion, the following:

- 1 set of 11" X 17" signed and sealed plans
- ___ sets of 11 "X 17" copies of the signed and sealed plans
- 1 signed and sealed copy of the Bridge Load Rating based on as-built conditions
- ___ sets of final documentation (if different from final component submittal)
- 2 (two) Final Project CD's

The Design-Build Firm's Professional Engineer in responsible charge of the Project's design shall professionally endorse (signed and sealed and certified) the record prints, the special provisions and all reference and support documents. The professional endorsement shall be performed in accordance with the Department Plans Preparation Manual.

The Design-Build Firm shall complete the record set as the Project is being constructed. The record set becomes the as-builts at the end of the Project. All changes shall be signed/sealed by the EOR. The record set shall reflect all changes initiated by the Design-Build Firm or the Department in the form of revisions. The record set shall be submitted on a Final Project CD upon Project completion.

The CEI shall do a review of the record set prior to final acceptance in order to complete the record set.

The CEI shall certify the final plans as per Section 4.5.7 of Chapter 4 of the Preparation and Documentation Manual (TOPIC No. 700-050-010).

4.5. Milestones:

Component submittals, in addition to the plan submittals listed in the previous section will be required. In addition to various submittals mentioned throughout this document the following milestone submittals will be required.

- <<List milestone submittals>>

~~2.6.~~ ~~3.~~ **Railroad Coordination:**

Three sets of certain plan sheets are required for review by the railroad. The sets are to be mailed to the District Rail Administrator. The required sheets are:

- Key Sheet
- Typical Section(s)
- Plan & Profile Sheet(s)
- Rail-highway grade crossing detail sheet
- Signing and Pavement Marking Sheet(s)
- Cross Section Sheets

Section VI. Design and Construction Criteria.

General:

~~The Design Build Firm shall be responsible for: detailed plan checking as outlined in the Plans Preparation Manual (PPM); as described in the RFP; and the Design and Construction criteria package. This includes a checklist of the items listed in the PPM for each completed phase submittal. Bridge submittals may be broken into foundation, substructure, superstructure, approach spans and main channel spans. Roadway submittals may be broken down into grading, drainage, walls, ITS, signing & pavement marking, signalization, lighting and final geometry components. The component design must be in conformity with the Design and Construction Criteria requirements, approved preliminary layout and concept as provided in the Technical Proposal.~~

Comment [Rudy4]: This information is now addressed under Submittals.

~~Before construction activities can begin for a specific component, signed and sealed design plans and calculations supporting the design for that component must be reviewed by the Department. Component submittals shall be complete submittals along with all the supporting information necessary for review. The work must represent logical work activities and must show impacts on subsequent work on this Project. Any modification to the component construction due to subsequent design changes as the result of design development is solely the Design Build Firm's risk. Upon review by the Department, the plans will be stamped "Released for Construction" and initialed and dated by the reviewer. Any construction initiated by the Design Build Firm prior to receiving signed and sealed plans stamped "Released for Construction" shall be at the sole risk of the Design Build Firm.~~

~~Prior to submittal to the Department, all Category II bridge plans shall have a peer review analysis in accordance with PPM Volume 1 Chapter 26.~~

All design and construction work completed under the Contract shall be in accordance with the United States Standard Measures.

Specifications:

Note to developer of the RFP: As part of the RFP for all Design-Build Projects, Districts must include the Division I (General Requirements and Covenants) Specification language developed by Central Office and to be compiled by the District Specification Office all Division I Special Provisions identified to be applicable to the Project as the standard boilerplate for Design-Build Contracts. This language shall not be modified.

Department Specifications may not be modified or revised. ~~The Design-Build Firm shall also include all Technical Special Provisions, which will apply to the work in the proposal.~~ Technical Special Provisions shall be written only for items not addressed by Department Specifications, and shall not be used as a means of changing Department Specifications.

~~Before construction activities can begin,~~ The Design-Build Firm shall prepare and submit a signed and sealed Construction Specifications Package for the Project, containing all applicable Division II and III Special Provisions and Supplemental Specifications from the Specifications Workbook in effect at the time the Bid Price Proposals were due in the District Office and any signed and sealed Technical Special Provisions. ~~Any subsequent modifications to the Construction Specifications Package shall be prepared, signed and sealed as a Supplemental Specifications Package.~~ The Specifications Package shall be prepared, signed and sealed by the Design-Build Firms Engineer of Record who has successfully completed the mandatory Specifications Package Preparations Training.

The website for completing the training is at the following URL address:

<http://www2.dot.state.fl.us/SpecificationsEstimates/PackagePreparation/TrainingConsultants.aspx>

Specification Workbooks are posted on the Department's website at the following URL address:

<https://www2.dot.state.fl.us/SpecificationsPackage/Utilities/Membership/login.aspx?ReturnUrl=%2fspecificationspackage%2fDefault.aspx>.

~~The signed and sealed Specifications Package shall also include individually signed and sealed Technical Special Provisions for any and all work not addressed by Department Specifications. Any Technical Special Provisions included in the signed and sealed Construction Specifications Package which had not been included in the proposal phase, may require a contract cost modification as a condition of approval.~~

~~Upon review by the Department, the Construction Specifications Package will be stamped "Released for Construction" and initialed and dated by the reviewer.~~

~~Any subsequent modifications to the Construction Specifications Package shall be prepared, signed and sealed as a Supplemental Specifications Package, subject to the same process for submittal, review, and release for construction, as described above, for the original Construction Specifications Package. Construction work affected by Supplemental Specifications Packages shall not begin until stamped "Released for Construction" Supplemental Specification Package is obtained.~~

Comment [Rudy5]: Already stated above and addressed in Submittals.

~~To work at risk, the Design-Build Firm must submit signed and sealed specifications and can begin working prior to the Department's Project Manager providing stamped "Release for Construction" specifications. The Design-Build Firm shall notify the Department five (5) week prior to starting work at risk. All work that the Design-Build Firm performs in advance of the Department's release of Specifications will be at the Design-Build Firm's risk.~~

Comment [Rudy6]: Addressed in "Requirements to Begin Construction."