

STATE OF LOUISIANA

NEW MISSISSIPPI RIVER BRIDGE

ST. FRANCISVILLE TO NEW ROADS

INCLUDING APPROACHES AND CONNECTING ROADWAYS

ROUTE LA 10

WEST FELICIANA AND POINTE COUPEE PARISHES

DESIGN-BUILD PROJECT

STATE PROJECT NO. 052-02-0024, et. al.

SCOPE OF SERVICES PACKAGE

INSTRUCTIONS TO PROPOSERS

APPENDIX A

TECHNICAL PROPOSAL

INSTRUCTIONS



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A1.0 GENERAL INSTRUCTIONS

This Appendix A to the Instructions to Proposers (ITP) describes the specific instructions for preparing the Technical Proposals.

The Proposer shall submit the information required by this Appendix A in the organization and format specified herein.

Proposals shall be submitted in separate volumes (*see* Table A – Outline for Submittal of the Technical Proposal) containing the following information:

- A) Executive Summary and Summary Statement;
- B) Legal;
- C) Financial;
- D) Technical Solutions;
- E) Key Personnel and Experience;
- F) Management Approach;
- G) Project Support; and
- H) Appended Information.

All Proposal Information submitted in Volumes 1 through 5 will be used for evaluating the Proposals and determining the successful Proposer and will be incorporated into the Contract as Part 8 – Proposal Information. The Supplemental Selection Information (Executive Summary, Summary Statement, and information in Appendix A to the Technical Proposal) will be used for evaluating the Proposals and determining the successful Proposer but will not be incorporated into the Contract.

All forms named herein are found in Appendix C unless otherwise noted.

Text shall be in English in a standard font, a minimum of 12 points in height, single-spaced. Pages shall be 8½ inch x 11 inch white paper, with simple lettered/numbered dividers for each section/subsection. Single-sided pages shall be used except for pre-printed information, such as corporate brochures.

Drawings or sketches shall be submitted on 11 inch x 17 inch and/or 8 ½ inch x 11 inch white paper.

Schedule plots shall be on 24 inch x 36 inch or 22 inch x 34 inch paper, folded and inserted in an envelope or similar holder that is incorporated into the volume.

The Proposer shall number each page in each volume consecutively (i.e., 1-1, 1-2; 2-1, 2-2). The Proposer shall include page numbers centered at the bottom of each page.

Proposers should present information clearly and concisely. Documentation that is illegible may be rejected and may lead to disqualification.

The information shall be easily reproducible by normal black and white photocopying machines. Color photographs, renderings, and brochures shall be adequately bound and suitably protected for handling and circulation during review.

Volumes 2 through 5 are limited to a combined total of 150 pages, exclusive of tabs and divider pages, cover letters, calculations, specifications, schedule plots, and drawings or sketches. The Quality Plan is also excluded from the page count.

A2.0 EXECUTIVE SUMMARY AND SUMMARY STATEMENT

A2.1 EXECUTIVE SUMMARY

The Proposer shall submit an Executive Summary and a Summary Statement with the Technical Proposal in a binder or folder separate from the Proposal volumes and appendices. The Executive Summary shall contain sufficient information to familiarize reviewers with the Proposer's Project approach and its ability to satisfy the legal requirements of the Contract. The Proposer shall limit the Executive Summary to no more than ten pages inclusive of text, selected photographs, and/or sketches. The Proposer shall distinguish those items which, in the opinion of the Proposer, represent significant value to the LA DOTD and which may distinguish its Proposal from those of others.

At a minimum, the Executive Summary shall summarize the following:

- A) Legal: A summary of the legal structure of the Proposer, any agreements among the Proposer team members, and the legal commitments to the LA DOTD;
- B) Financial: A summary of Proposer's financial strength and structure for undertaking and completing the Work;
- C) Technical Solutions: A summary of the design concepts and technical challenges to be addressed in connection with the Work. The Proposer shall specifically address:
 - 1) Structure type, size, and location, for the cable-stayed bridge and other structures;
 - 2) Methods to address surface and subsurface drainage;
 - 3) Maintenance concepts;
 - 4) Construction concepts;
 - 5) Geotechnical and foundations concepts; and
 - 6) Roadway design and construction concepts;
- D) Key Personnel and Experience: A summary of key personnel.
- E) Management Approach: A summary of the management approach and concepts to be used in connection with the work. The Proposer shall specifically address:
 - 1) Proposer's commitment to quality;
 - 2) Summary schedule with major milestones and a summary design and construction schedule;
 - 3) Proposed management systems to ensure successful and satisfactory completion and integration of the design and construction Work;

- 4) The proposed organizational structure, identifying all Principal Participants and other key firms and describing their roles on the Proposer's team; and
 - 5) The Proposer Compliance Plan.
- F) Project Support: A summary of the Project support concepts to be addressed in connection with the Work. The Proposer shall specifically address:
- 1) Public outreach; and
 - 2) Aesthetics design and construction concepts.

The Proposer shall not include any information suggesting the Lump Sum Contract Price in the Executive Summary.

The Executive Summary shall be suitable for presentation to and review by the Secretary. The Executive Summary may be released to the media after selection, hence sensitive or confidential information should not be discussed in the Executive Summary.

A2.2 SUMMARY STATEMENT

The Proposer shall prepare a Summary Statement outlining the specific areas where the Proposer has shown enhanced quality in long-term performance, durability, and maintainability through the information submitted with its Proposal. The Proposer shall indicate in its statement the specific section of the Technical Proposal where the information is shown.

The Proposer shall not include any information suggesting the Lump Sum Contract Price in the summary statement.

A3.0 LEGAL AND FINANCIAL INFORMATION

A3.1 OBJECTIVES

The objective of the Legal pass/fail evaluation factor is to identify legally constituted Proposers able to submit Proposals, enter into the Contract, and complete the Work and that have obtained all required licenses.

A3.2 LEGAL INFORMATION FOR VOLUME 1 OF THE PROPOSAL

The Proposer shall submit the following legal information:

- A) The Form of Proposal that shall constitute a firm offer to the LA DOTD valid for ~~180~~ 120 ~~working~~ calendar days after the Proposal due date. The Form of Proposal shall be executed by the Proposer or by its legally authorized representative, and by each JV member or general partner (as applicable) by their respective legally authorized representatives;
- B) Form NS, Named Subcontractors and Suppliers, including the percentage of the Proposal price that represents anticipated Subcontractor and Supplier participation (not specific dollar value of participation). The Proposer shall show all Major Subcontractors (Subcontractors performing five percent or more of the value of the Work), Major Suppliers (Suppliers providing products and Material valued in excess of five percent of

the value of the Work), the Designer and known Architectural/Engineering (A/E) subconsultants, and the QC Engineer on Form NS;

- C) Form RR, Certification of Employment of Louisiana Residents, certifying that at least 80% of the employees employed on this Transportation Infrastructure Model for Economic Development (TIMED) Project will be Louisiana residents in accordance with Louisiana Revised Statutes 47:820.3;
- D) Evidence in the form of a ~~certificate~~ Certificate of Authority issued by the Louisiana Secretary of State ~~indicating~~ certifying that the Proposer is ~~registered~~ qualified and authorized to do business in the State of Louisiana, if such ~~registration certificate~~ was not submitted with the Proposer's Statement of Qualifications (SOQ); and
- E) Evidence that any named Subcontractors or Suppliers that are required to be licensed by either the Louisiana Professional Engineering and Land Surveying Board or the State Licensing Board for Contractors or both have been licensed.

A3.3 LEGAL INFORMATION FOR APPENDIX A TO THE PROPOSAL

A3.3.1 Notarized Power(s) of Attorney

The Proposer shall provide a notarized Power of Attorney naming the individual who signed the Proposal on its behalf as its attorney-in-fact, with authority to execute and deliver the Proposal, and Clarification, and the Agreement on its behalf, and to act for and bind it in all matters relating to the Proposal.

If the Proposer is a Joint Venture, Limited Liability Company, or partnership, it shall also submit the following:

- A) Evidence that each member of the JV, LLC, or partnership shall be jointly and severally liable for any and all of the duties and obligations, including performance, of the Proposer assumed under the Proposal and under any Contract arising therefrom, should its Proposal be accepted by the LA DOTD; and
- B) A notarized Power of Attorney executed by each JV member, LLC member, or general partner, naming the individual who signed the Proposal and joint and several liability document on its behalf as its attorney-in-fact, with authority to execute the Proposal, joint and several liability document, and Agreement on its behalf and to act for and bind it in all matters relating to the Proposal.

A3.3.2 Non-Collusion Form

The Proposer shall submit the Non-Collusion Form certifying that the Proposal is not the result of, and has not been influenced by collusion.

A3.3.3 Opinion of Counsel

The Proposer shall include an opinion of counsel in the format of Form OC (*see* Appendix C) by in-house or outside counsel with respect to the Proposer and its JV or LLC members or general partners.

A3.3.4 Organizational Documents

The Proposer shall submit organizational documents in the form of copies of articles of incorporation and bylaws, the JV agreement, the partnership agreement, the LLC operating agreement, or equivalent organizational documents for the Proposer and each Person signing a joint a several liability document,

which organizational documents shall be consistent with the responsibilities to be undertaken by the Proposer and such Persons under the Contract.

A3.4 FINANCIAL INFORMATION FOR APPENDIX A TO THE PROPOSAL

The Proposer shall submit evidence (as described in this Section A3.3) of capability to meet the financial responsibilities of the Contract.

A3.4.1 Objectives

To identify Proposers with demonstrated capability to undertake the financial responsibilities associated with the Project, including bonding.

A3.4.2 Letter of Commitment of Surety

The Proposer shall submit letter(s) of commitment from surety(ies) meeting the requirements of Section A3.4.3 to provide performance and payment bonds as per Part 2 – DB Section 100, DB Section 103-2 and Appendix 103A, Payment, Performance, and Retainage Bond Form.

The Proposer shall not include any information suggesting the actual Proposal Price in the letter.

A3.4.3 Surety Financial Requirements

Each Bond described in Section A3.4.2 shall be issued by a Surety listed on the United States (US) Department of Treasury Financial Management Service list of approved bonding companies which is published annually in the Federal Register or by a Louisiana-domiciled insurance company with at least an A- rating in the latest printing of the A.M. Best's Key Rating Guide. No surety or insurance company shall write a Bond which is in excess of the amount indicated as approved for it by the US Department of the Treasury Financial Management Service list of approved bonding companies and a Louisiana-domiciled insurance company not on the US Department of Treasury Financial Management Service list of approved bonding companies shall not write bonds exceeding ten percent of the policyholder's surplus as shown in the A.M. Best's Key Rating Guide. In addition, any Bond written for the Project shall be written by a surety or insurance company that is currently licensed to do business in the State of Louisiana.

A4.0 TECHNICAL SOLUTIONS INFORMATION

A4.1 OBJECTIVES

The following are the objectives for the Technical Solutions technical evaluation factor:

- A) To identify Proposers with a demonstrated understanding of the overall Project requirements through the applicable design concepts presented;
- B) To identify the best overall proposed solution for the Project, including the following elements:
 - 1) The cable-stayed bridge concept design;
 - 2) The approach bridge structure concept design;
 - 3) Drainage design; and
 - 4) The roadway geometrics design.

Concepts will be evaluated based on long-term durability, service life, and considerations for future inspection and maintenance; and

- C) To identify Project concepts that demonstrate high aesthetic value both for the cable-stayed bridge structure and the overall Project-wide facility. This will take into consideration the overall structural proportions and balance and Project-wide consistent use of Materials, shapes and elements, landscape architecture, and roadway appearance.

A4.2 TECHNICAL SOLUTIONS INFORMATION FOR VOLUME 2 OF THE PROPOSAL

In the Proposal provided in response to each of Sections A4.2.1 through A4.2.4, the Proposer shall indicate and describe features of the proposed design, construction methods, and/or Material offered by the Proposer that will accomplish the following:

- A) Improve the long term performance of Project elements, particularly the following:
 - 1) Cable-stayed bridge structure;
 - 2) Approach structures;
 - 3) Drainage; and
 - 4) Roadway, including striping/markings and signals;
- B) Enhance the inspectability and maintainability of the Project;
- C) Minimize maintenance costs; and
- D) Minimize interruptions in service or traffic for maintenance.

A4.2.1 Cable-Stayed Structure

The Proposer shall prepare and submit detailed summary information regarding the cable-stayed bridge main span structure proposed for the Project. The information provided shall in general outline how the proposed cable-stayed bridge structure design and components meets or exceeds the Cable-Stayed Performance Specification (*see* Appendix A of Part 3 – Design Criteria and Performance Specifications). Key elements that should be discussed or detailed include following:

- A) A basic structural layout and scheme for the cable-stayed bridge main span structure. At a minimum, this should include the type, size, and location information and cable-stayed arrangement and layout;
- B) The design methodology proposed, including computer software to be used and any deviation from or additions to the design criteria and design codes provided in this Scope of Services Package;
- C) The cable-stay system to be used. This should include specific information regarding the hardware and how it will be incorporated into the design and construction. Any benefits of the system should be discussed. Specific attention should be given to cable-stay installation, inspection, corrosion protection, and replacement;
- D) River foundations information on the foundation types proposed and the justification for the selection. This will primarily discuss the two main river piers at the pylon locations. However, all foundations associated with the cable-stayed bridge main span structure should be addressed. The design approach/methodology and proposed construction techniques and sequence should be presented. The capacity of the foundations to resist barge impact, scour, and other design loading shall be discussed;

- E) The construction sequence proposed for the entire cable-stayed bridge main span structure;
- F) The wind analysis proposed, including a concise discussion of the wind tunnel testing proposed and how the results of the testing and analysis will be incorporated into the structural design; and
- G) The cable-stayed bridge main span structure aesthetics considerations. Any specific aesthetic features proposed will be presented. A discussion should be provided that describes the overall aesthetics of the structure and validates the aesthetic theme chosen.

A4.2.2 Approach Structures

The approach structures for this Project shall include all of the bridge structures not included in the cable-stayed main span continuous unit. The Proposer shall prepare and submit summary information for the approach structures that demonstrates how proposed design and construction will meet or exceed the requirements provided in the Structures Performance Specification (*see* Appendix A to Part 3 – Design Criteria and Performance Specifications). Key elements that shall be discussed include the following:

- A) Type, size, and location details, including conceptual details of how the two lane approach structures will be widened in the future to provide the ultimate four-lane facility. The Technical Proposal shall emphasize the details of the initial two-lane facility, but shall also provide sufficient details for the widening concepts to demonstrate that the envisioned widening scheme is constructible, cost efficient, and structurally consistent with the initial two-lane structure. In the case of the approach structures to the cable-stayed main span continuous unit (approximate stations from Sta 462+00.00 to Sta 495+50.00 and Sta 522+50.00 to Sta 593+75.00) the Proposer shall consider transition from two-lane approach bridges to the four-lane cable-stayed bridge over the Mississippi River. The widening concepts for these approach structures shall specifically avoid widening concepts that require widening to both sides of the structure. In addition, the widening concepts shall consider how traffic will be maintained during the future widening operation;
- B) The system-wide design approach that will assure efficiency and aesthetic consistency for all approach structures;
- C) Detailed information for specific structural components, such as, bearings and expansion joints;
- D) Design methodology, including computer software proposed for the Project; and
- E) Construction sequencing and methodology for the approach structures.

A4.2.3 Drainage

The Proposer shall prepare and submit the following information pertaining to drainage and complying with the Drainage Performance Specification (*see* Appendix A to Part 3 – Design Requirements and Performance Specifications):

- A) A description of proposed drainage construction methods and Material types and justification of why they were chosen;
- B) A description of the computer software and methodology proposed for the drainage analysis and design of storm drains, channels, and culverts; and

- C) A description of how the design and construction of new facilities will meet the stormwater discharge permit requirements.

A4.2.4 Roadway Geometrics

The Proposer shall prepare and submit the design information contained in the Roadway Performance Specification (*see* Appendix A to Part 3 – Design Requirements and Performance Specifications).

A4.3 TECHNICAL SOLUTIONS INFORMATION FOR APPENDIX A TO THE PROPOSAL

No information required.

A5.0 KEY PERSONNEL AND EXPERIENCE INFORMATION

A5.1 OBJECTIVES

The following are the objectives for the Key Personnel and Experience technical evaluation factor:

- A) To identify Proposers that will effectively manage all aspects of the Contract in a quality, timely, and effective manner;
- B) To identify the best personnel for key positions with demonstrated experience and expertise in and record of producing quality work on projects of a similar nature to this Project. The Key Personnel positions for the purposes of this Scope of Services Package are identified in Part 4 – Special Provisions, Special Provision 108B; and
- C) To avoid personnel with a history of legal and financial problems on other projects that could adversely impact this Project generally.

A5.2 KEY PERSONNEL AND EXPERIENCE INFORMATION FOR VOLUME 3 OF THE PROPOSAL

The Proposer shall submit Form KP (*see* Appendix C).

A5.3 KEY PERSONNEL AND EXPERIENCE INFORMATION FOR APPENDIX A TO THE PROPOSAL

The Proposer shall submit resumes of Key Personnel.

A6.0 MANAGEMENT APPROACH INFORMATION

A6.1 OBJECTIVES

The following are the objectives for the Management Approach technical evaluation factor:

- A) To identify Proposers that demonstrate a clear understanding of the Project through their proposed Project approach, including, but not limited to, the construction staging plan and the maintenance of traffic plan;
- B) To identify Proposers that demonstrate sound, proven Project management techniques for design management, construction management, and the integration of both on Design-Build (DB) projects. This will include consideration of document control techniques employed to assure the flow, storage, and archiving of information;

- C) To identify Proposers with proposed Baseline Progress Schedules that are sufficiently detailed to demonstrate their understanding of the Work to be performed and the ability to complete the Work on schedule and within the Lump Sum Contract Price. Consideration will be given to a Proposer's ability to commit and mobilize Key Personnel, Equipment, and Materials in order to perform the Work required according to the proposed schedule; and
- D) To identify Proposers that demonstrate sound, proven Quality Control (QC) and procedures for this Project.

A6.2 MANAGEMENT APPROACH INFORMATION FOR VOLUME 4 OF THE PROPOSAL

A6.2.1 Project Controls

A6.2.1.1 Proposed Baseline Progress Schedule

The term "Proposed Baseline Progress Schedule" as used herein means the time-scaled, critical path network depicting Project Sections, Price Centers and subordinate activities and their respective durations, and sequences and inter-relationships that represent the Proposer's Work plan for designing, constructing, and completing the Project.

The Proposer shall not show or submit any Lump Sum Contract Price information with the Proposed Baseline Progress Schedule. Lump Sum Contract Price information shall only be included in the lump sum Price Proposal (Appendix B). A price-loaded schedule will be required of the successful Proposer after Award of the Contract.

The Proposer shall submit the following information pertaining to the Proposed Baseline Progress Schedule:

- A) A Proposed Baseline Progress Schedule for the Project meeting the following requirements:
 - 1) The Proposed Baseline Progress Schedule shall be in color hardcopy format and Primavera P3 or compatible electronic format on disk;
 - 2) The Proposed Baseline Progress Schedule shall be consistent with the LA DOTD's Project Sections and preferred Price Centers listed on Form PCD (*see* Appendix C). Except where a Price Center is shown as a mandatory Price Center, the Proposer may adjust this list to more accurately reflect planned sequences and methods, however, the level of detail shall be similar to that reflected in the list of preferred Price Centers. Mobilization shall not be shown as a Price Center. Mobilization shall be shown as an activity under Price Center 1;
 - 3) All Price Centers shall be assigned to the Project as described in Part 2 – DB Section 100, DB Sections 109-1 and 109-2 and shown on Form PCD;
 - 4) The Proposed Baseline Progress Schedule shall reflect that Work included in the lump sum Proposal Price, but shall not include any price information; ~~and~~
 - 5) The Proposed Baseline Progress Schedule shall show the Substantial Completion Date no later than ~~September 30, 2010~~ 51 months from Notice to Proceed; and

- 6) The Proposed Baseline Schedule shall show the Final Acceptance Date not later than three months from Substantial Completion.
- B) A “stand-alone” narrative of sufficient detail to explain the basis of the Proposed Baseline Progress Schedule. The “stand-alone” narrative shall describe activities and how the activities interrelate and how activity durations were determined. The Proposer shall include and discuss the following at a minimum:
- 1) Basis for and assumptions used in preparing the Proposed Baseline Progress Schedule;
 - 2) Anticipated order and delivery dates of Material and equipment, especially long-lead time items;
 - 3) Restraints, risks, and limitations;
 - 4) Critical path activities;
 - 5) Holidays and other non-work days;
 - 6) Potential problem areas; and
 - 7) Coordination required;
- C) A plan for mobilizing Key Personnel, equipment, Material, and supplies. The mobilization plan must be consistent with the Proposed Baseline Progress Schedule;
- D) A summary of major risks to the Proposed Baseline Progress Schedule with explanation of planned contingencies and an approach to managing these risks should they arise;
- E) A brief narrative description of the proposed Project controls approach, including the following:
- 1) A description of the Proposer’s system for preparing and updating the Baseline Progress Schedule; and
 - 2) A description of the proposed plan to integrate design and subcontract activities into its scheduling and reporting system.
- F) Form 107A, ROW Acquisition Schedule. Form 107A identifies the anticipated parcels needed for this Project and the status of the acquisition process for those parcels. The Proposer shall complete the columns “Design-Builder’s Priority Number” and “Date Desired by Design-Builder” for each parcel not already acquired. *See also* Part 2 – DB Section 100, DB Section 107-23.

A6.2.1.2 Price Center Descriptions

The Proposer shall complete and submit Form PCD describing the Price Centers. The Proposer shall adequately describe the physical features and activities included in the Price Center and include all Work included in the Price Center Value of each Price Center as reflected on Form SP (*see* Appendix C).

See Part 2 – DB Section 100, DB Section 109-1.2, regarding instructions for describing Price Centers.

A6.2.2 Organization

Certain components of the Proposal relating to the Proposer’s form of organization will be rated on a pass/fail basis and others will receive quality ratings.

A6.2.2.1 Single Point of Contact

The Proposer shall designate a single point of contact and provide the information requested on Form C (*see* Appendix C). The single point of contact shall be the Proposer's designated Project Manager. (Pass/fail.)

A6.2.2.2 Commitment of Resources

The Proposer shall submit Form CR (*see* Appendix C) providing a written commitment, signed by the designated Proposer's designated representative, that the resources shown or indicated in the Proposal, including Key Personnel and other staff identified by name, equipment, Material, supplies and facilities, will be available and assigned to the Project if the Proposer is awarded the Contract to the extent such assignment remains within the control of the Proposer or its Principal Participants. (Pass/fail.)

A6.2.2.3 Organization Charts and Staff and Office Locations

The Proposer shall submit the following information pertaining to organization charts and staff and office locations:

- A) An organization chart showing the Key Personnel (pass/fail);
- B) An organization chart depicting the roles and responsibilities of the Principal Participants and named Subcontractors (design and construction) (pass/fail);
- C) A description of those categories of Work which the Proposer anticipates will be performed by the Proposer's own forces and subcontractor categories;
- D) Form NS, Named Subcontractors, described in Section A3.2(B). (*See also* Appendix C) Failure to provide the documentation required on Form NS will render a Proposal non-responsive (pass/fail);
- E) An organization chart showing the proposed design organization showing detailed responsibilities and organization of the design staff (pass/fail);
- F) An organization chart(s) showing the proposed construction organization showing detailed responsibilities and organization of the construction staff (pass/fail);
- G) An organization chart showing the planned QC organizations (design and construction), including names of independent sampling and testing laboratory(ies) and to whom the QC staff report within the Proposer's (Design-Builder's) organization (pass/fail);
- H) An organization chart showing the planned safety organization and its relationship to the Proposer's organization. The Proposer shall indicate roles and responsibilities of safety staff (pass/fail);
- I) Address of the office(s) where Work will be done in the Project vicinity (pass/fail);
- J) The city and state where assigned staff will be located, particularly the location(s) of design staff; and
- K) Plans and procedures for management of subcontractors.

A6.2.3 Project Management Plan

The Proposer shall submit the information specified in this Section A6.2.3.

A6.2.3.1 Quality Plan

The Proposer shall submit the following information pertaining to the Quality Plan:

- A) An indication of the name(s), location(s), and qualifications of independent testing laboratory(ies) (pass/fail); and
- B) A summary of the Proposer’s proposed Quality Plan as per Part 2 – DB Section 100, DB Section 113. The Proposer shall provide a Quality Plan that addresses all components described therein and in the order and format specified, including both design and construction QC programs;
- C) A narrative describing the following:
 - 1) The roles, responsibilities, and authorities of QC personnel (design and construction) over design and construction activities to ensure final product quality;
 - 2) Assurance of how the independence of QC activities from production staff influence will be accomplished;
 - 3) The relationship and relative authority within the Proposer’s (Design-Builder’s) organization of QC staff and design and construction production staff; and
 - 4) How Quality Control will be handled for construction subcontractors; and
- D) A description of how design and construction activities performed by different firms will be coordinated to ensure consistency and quality.

A6.2.3.2 Design Management

The Proposer shall submit following pertaining to Design Management:

- A) Form DU (*see* Appendix C) showing the Proposer’s plan for dividing the Project Sections and/or Project into distinct Design Units (*see* Part 2 – DB Section 100, DB Section 111-3);
- B) A brief narrative describing the following:
 - 1) The Proposer’s design management concept. The Proposer shall indicate total design staffing required;
 - 2) The planned approach to addressing constructability, durability, maintainability, safety, aesthetics, and environmental mitigation in the design process;
 - 3) The planned approach for integrating and coordinating the design and construction efforts;
 - 4) A planned approach to design integration among different firms and/or offices; and
 - 5) A planned approach to integrating design and construction personnel;
- C) A summary Design Review Plan outlining how the Proposer will facilitate and implement Design Reviews as set out in Part 2 – DB Section 100, DB Section 111-7, including the following:
 - 1) Identification of Design Reviews planned for each Design Unit;

- 2) A summary of the level of completion anticipated at each Design Review in terms of components designed (not just percent complete); and
- 3) A summary of how Construction Drawing reviews, field design changes, and As-Built Plan documentation will be accomplished; and
- D) A description of how the Designer will be involved during the construction phase.

A6.2.3.3 Construction Management

The Proposer shall submit a brief narrative description of Proposer's proposed construction management plan, including the following:

- A) How the Proposer plans to address unusual traffic events such as those that may be caused by accidents in the vicinity of the Project;
- B) The proposed construction staging and phasing plan indicating timing and sequencing of major activities for the Project. Emphasis should be placed on segmenting the Project such that all Work can be accomplished in a Work zone as expeditiously as possible;
- C) How the Design-Builder will approach problem solving and resolution of disputes on the Project; and
- D) The construction start date and time to complete and schedule management, including the use of P3 software.

A6.3 MANAGEMENT APPROACH INFORMATION FOR APPENDIX A TO THE PROPOSAL

No information required.

A7.0 PROJECT SUPPORT INFORMATION

A7.1 OBJECTIVES

The following are the objectives for the Project Support technical evaluation factor:

- A) To identify Proposers that demonstrate an in-depth understanding and sensitivity to community relations through the proposed Public Outreach Plan for the Project;
- B) To identify Proposers that understand the Project-wide aesthetic consideration through the development of the Aesthetics Plan proposed for the Project.

A7.2 PROJECT SUPPORT INFORMATION FOR VOLUME 5 OF THE PROPOSAL

A7.2.1 Public Outreach and Maintenance of Traffic

The Proposer shall submit a preliminary Public Outreach and Maintenance of Traffic Plan.

A7.2.2 Aesthetics

The Proposer shall prepare and submit the following:

- A) A summary of the Aesthetics Plan; and
- B) Identification and summarization of the elements of the Proposer's proposed tree removal and replacement, landscaping, and soil erosion prevention plan.

A7.3 PROJECT SUPPORT INFORMATION FOR APPENDIX A TO THE PROPOSAL

No information required.

A8.0 FORMAT AND ORGANIZATION OF THE PROPOSAL

The Proposal shall be prepared in accordance with Table A, Outline for Submittal of the Technical Proposal.

**TABLE A
OUTLINE FOR SUBMITTAL OF THE TECHNICAL PROPOSAL**

Proposal Volume/Section Number	Volume/Section Title and Required Information	Reference
	EXECUTIVE SUMMARY AND SUMMARY STATEMENT	A2.1 and A2.2
VOLUME 1	LEGAL INFORMATION	A3.2
Section 1	<ul style="list-style-type: none"> • Form of Proposal; • Form NS, Named Subcontractors and Suppliers; • Form RR, Certification of Employment of Louisiana Residents; • Secretary of State registration, if necessary; and • Licensing information. 	
VOLUME 2	TECHNICAL SOLUTIONS INFORMATION	A4.0
Section 1	CABLE-STAYED STRUCTURE <ul style="list-style-type: none"> • Basic structural layout and scheme; • Design methodology; • Cable-stay system; • River foundations; • Construction sequence; • Wind analysis; and • Aesthetics. 	A4.2.1
Section 2	ANCILLARY STRUCTURES <ul style="list-style-type: none"> • Type, size, and location; • System-wide design approach; • Specific structural components; • Design methodology; and • Construction sequencing. 	A4.2.2
Section 3	DRAINAGE <ul style="list-style-type: none"> • Describe drainage construction methods and Material; • Describe design methodologies; and • Narrative regarding stormwater discharge. 	A4.2.3
Section 4	ROADWAY <ul style="list-style-type: none"> • Roadway geometrics; and • Specified narrative. 	A4.2.4
VOLUME 3	KEY PERSONNEL AND EXPERIENCE INFORMATION	A.5.0
Section 1	<ul style="list-style-type: none"> • Form KP, Key Personnel 	A5.2

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Proposal Volume/Section Number	Volume/Section Title and Required Information	Reference
VOLUME 4	MANAGEMENT APPROACH INFORMATION	A6.0
Section 1	PROJECT CONTROLS	A6.2.1
Section 1.1	<ul style="list-style-type: none"> ● Proposed Baseline Progress Schedule; ● Proposed Baseline Progress Schedule in hardcopy and electronic format; ● Specified narrative; ● Plan for mobilizing Key Personnel, equipment, Material and supplies; ● Summary of major risks and risk management plan; ● Project controls approach; and ● Form 107A. 	A6.2.1.1
Section 1.2	<ul style="list-style-type: none"> ● Price Center Descriptions; and ● Form PCD, Price Center Descriptions. 	A6.2.1.2
Section 2	ORGANIZATION	A6.2.2
Section 2.1	<ul style="list-style-type: none"> ● Form C, Single Point of Contact 	A6.2.2.1
Section 2.2	<ul style="list-style-type: none"> ● Form CR, Commitment of Resources 	A6.2.2.2
Section 2.3	<ul style="list-style-type: none"> ● Key Personnel organization chart; ● An organization chart detailing the roles and responsibilities of the Principal Participants and named Subcontractors; ● Description of self-performed and subcontracted Work; ● Form NS, Named Subcontractors; ● Plans and procedures for managing subcontractors; ● Organization chart showing proposed design organization; ● Organization chart(s) showing proposed construction organization; ● Organization chart showing the planned QC organizations (design and construction), including names of independent sampling and testing laboratory(ies); ● Organization chart for safety organization with roles and responsibilities; ● City and state where assigned staff will be located; and ● Address of office(s) where Work will be performed in the Project vicinity. 	A6.2.2.3
Section 3	PROJECT MANAGEMENT PLAN	A6.2.3
Section 3.1	<ul style="list-style-type: none"> ● Quality Plan; ● Summary of Quality Plan; ● Specified narrative; ● Name, location and qualifications of independent testing laboratory(ies); and ● Coordination to ensure consistency and quality among firms. 	A6.2.3.1
Section 3.2	<ul style="list-style-type: none"> ● Design management; ● Form DU, Design Units; 	A6.2.3.2

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Proposal Volume/Section Number	Volume/Section Title and Required Information	Reference
	<ul style="list-style-type: none"> Specified narrative; Summary of Design Review Plan; and Description of Designer involvement during construction. 	
Section 3.3	<ul style="list-style-type: none"> Construction management; Plan to deal with unusual traffic events; Construction staging and phasing plan; and Construction start date and time to complete. 	A6.2.3.3
VOLUME 5	PROJECT SUPPORT INFORMATION	A7.0
Section 1	PUBLIC OUTREACH <ul style="list-style-type: none"> Preliminary Public Outreach Plan. 	A7.2.1
Section 2	AESTHETICS <ul style="list-style-type: none"> Summary of the Aesthetics Plan; and Summary of the tree removal and replacement, landscaping, and soil erosion prevention plan. 	A7.2.2
APPENDIX A	LEGAL, FINANCIAL, TECHNICAL SOLUTIONS, KEY PERSONNEL AND EXPERIENCE, MANAGEMENT APPROACH, PROJECT SUPPORT, AND ALTERNATE PROPOSALS INFORMATION FOR APPENDIX A	
Section 1	LEGAL INFORMATION FOR APPENDIX A	A3.3
	<ul style="list-style-type: none"> Notarized Powers of Attorney; If JV, LLC, or partnership, evidence of joint and several liability; Non-Collusion Form; Form OC, Legal Opinion; and Organizational documents. 	A3.3.1 A3.3.1 A3.3.2 A3.3.3 A3.3.4
Section 2	FINANCIAL INFORMATION FOR APPENDIX A	A3.4
	<ul style="list-style-type: none"> Letter of Commitment of Surety. 	A3.4.2 A3.4.3
Section 3	TECHNICAL SOLUTIONS INFORMATION FOR APPENDIX A	A4.3
	No Information Required	
Section 4	KEY PERSONNEL AND EXPERIENCE INFORMATION FOR APPENDIX A	A5.3
	<ul style="list-style-type: none"> Resumes of Key Personnel 	A5.3
Section 5	MANAGEMENT APPROACH INFORMATION FOR APPENDIX A	A6.3
	No information Required	
Section 6	PROJECT SUPPORT INFORMATION FOR APPENDIX A	A7.3
	No Information Required	