

Mississippi Department of Transportation

REQUEST FOR QUALIFICATIONS

A DESIGN-BUILD PROJECT

**Bridge Replacement on US 90
Across Saint Louis Bay
Hancock and Harrison Counties, Mississippi**

**Project No. ER/BR-0003-01(098) 104555/101000 –
St. Louis Bay**

September 28, 2005

PURPOSE OF REQUEST

The purpose of this Request For Qualifications (RFQ) is to solicit letters of interest and qualifications from firms interested in providing roadway and bridge design services and construction services necessary for the construction of the US 90 bridge across Saint Louis Bay in Hancock and Harrison Counties, Mississippi and a bridge over CSX Transportation Railroad and Bayou Boisdore in Harrison County, Mississippi. The Mississippi Transportation Commission will hereinafter be referred to as the "COMMISSION". The COMMISSION and the Federal Highway Administration will be utilizing the Design-Build method of contracting for this project. The proposed US 90 bridge across Saint Louis Bay and the proposed bridge over CSX Transportation Railroad and Bayou Boisdore and associated roadway work will hereinafter be referred to as the "PROJECT". The term "RESPONDER" as used herein includes a firm or firms, consortia, partnerships, joint ventures and others responding to this RFQ. The term "PROPOSER" as used herein includes a firm or firms, consortia, partnerships, joint ventures and others, who upon the request of the COMMISSION, will be invited to submit to the Request for Proposals (RFP). The COMMISSION will only accept submittals from a RESPONDER who has documented Design-Build experience. Documentation on the RESPONDER'S experience is to include a list of Design-Build projects in the past ten (10) years. This information may be included in the appendices and will not be counted against the 25-page maximum requirement described in the Submittal Format.

The COMMISSION will use a two-step process to select a PROPOSER with which to execute a contract for this PROJECT. This RFQ represents the first step in the process. After evaluation and scoring of responsive submittals to the RFQ, the COMMISSION intends to short-list three (3) RESPONDERS and express-mail each a RFP. The COMMISSION will look for a discernable break in the scores to assist in determining who will be invited to respond to the RFP. A stipend of \$100,000.00 will be available to the short-listed responsive PROPOSERS to whom the contract is not awarded.

The selected PROPOSERS will be asked to submit a technical proposal, a cost proposal and schedule. Information about the format, contents and evaluation criteria for the responses to the RFP will be provided to the selected PROPOSERS. Upon evaluation of the technical proposal, cost proposal and schedule, the COMMISSION intends to select a PROPOSER for contract award and execution.

It is not the intention of the COMMISSION to receive project-specific design or engineering recommendations as part of this RFQ. RESPONDERS should limit their submittals to the information required by this RFQ and other information regarding qualifications and experience.

OVERVIEW

The existing 1.9-mile US 90 bridge across Saint Louis Bay was destroyed by Hurricane Katrina. This PROJECT consists of a new high-rise four-(4) lane bridge on parallel alignment and a separate two-(2) lane bridge over CSX Transportation Railroad and Bayou Boisdore and associated roadway. The PROJECT also includes repairing hurricane damage to the Henderson Point Bridge. The PROJECT will begin approximately at the town of Bay Saint Louis and terminate with an elevated connection to the Henderson Point Bridge in west Pass Christian. This PROJECT also includes the complete removal of the existing bridge to two (2) feet below ground surface and all debris as detailed in the RFP. This removal includes components that were displaced by the hurricane. The COMMISSION has secured a Categorical Exclusion for the construction of the PROJECT and environmental assessments will not be required by the PROPOSER.

Construction of the PROJECT will be within existing Mississippi Department of Transportation (MDOT) right-of-way. Any additional permits required will be the responsibility of the PROPOSER.

PROJECT services shall include but are not limited to:

- Design Services – completion of construction plans
- Quality Control of design and construction
- Utility Coordination
- Construction Services – necessary to build and ensure high quality workmanship of the designed facility

The Commission will utilize a separate Firm to provide MDOT with Project Management Assistance.

SCOPE

The scope of work for this PROJECT will include design, construction, construction engineering and management of the project. The design work will include, but not be limited to, roadway design, surveys, geotechnical work, hydraulic analysis, scour analysis, bridge substructure and superstructure design. The designs shall meet all appropriate AASHTO *Policy on Geometric Design of Highways and Streets* (latest edition), AASHTO *Standard Specifications for the Design of Highway Bridges* (latest edition), *Manual on Uniform Traffic Control Devices* (latest edition) (MUTCD) and MDOT design criteria.

Construction will include, but not be limited to, demolition with debris removal and disposal, all necessary roadway and bridge work, drainage, utility coordination, air space coordination, environmental coordination, U.S. Coast Guard coordination, CSX

Transportation Railroad coordination, erosion and sediment control work items, necessary foundation work, substructure work, superstructure work and traffic control. Construction engineering and management, including quality control, will be the responsibility of the contractor. Construction will comply with the MDOT *Standard Specifications for Road And Bridge Construction Edition of 2004* as modified by the RFP to accommodate specific Design/Build requirements, *Manual on Uniform Traffic Control Devices* (latest edition), MDOT Standard Drawings and any special provisions. Any necessary coordination and permits including, but not limited to, Federal Aviation Administration, U.S. Coast Guard, CSX Transportation Railroad, U.S. Army Corps of Engineers and environmental agencies will be the responsibility of the successful PROPOSER.

Areas of work required for this PROJECT will include, but are not limited to, the following items:

1. Preliminary and Final Roadway Plan Preparation
2. Preliminary and Final Bridge Design
3. Drainage Design
4. QC for Design
5. Construction
6. Project Management
7. Construction Management
8. QC for Construction, including inspection and testing
9. Utility Coordination

SUBMITTAL FORMAT

The RFQ response must be submitted by 10:00 AM, CDT on October 17, 2005. The response shall contain no more than twenty-five (25) double-spaced pages, typed on one side only, excluding appendices. Responses should address each of the following six (6) categories in the same order as listed below.

I. MANAGEMENT EXPERIENCE AND APPROACH

Provide the qualifications and experience of the firm or firms on the RESPONDER'S team as follows:

1. Identify the lead organization and primary members of the team. Name the entity with whom the COMMISSION will be contracting and identify if this will be a partnership, corporation, joint venture, etc. The total value of all work performed by the lead organization shall be no less than 40 percent of the value of the PROPOSER'S submitted cost proposal.

2. Provide an organizational chart of the RESPONDER'S team describing the roles and responsibilities of each team member. Identify all team members that are Disadvantaged Business Enterprise (DBE) firms. DBE firms shall comprise 5 percent of the project value. *After initial submittal, changes to primary team members including major subcontractors with over 10 percent of the project value, all consultants and all testing firms cannot be made without MDOT approval.*
3. The team must include at a minimum the following KEY INDIVIDUALS in order for the RFQ to be deemed technically responsive:
 - a. Project Director - The Project Director shall be the primary person in charge of and responsible for delivery of the PROJECT in accordance with the contract requirements. The Project Director or an approved designee must be present on site fulltime as the work is performed, have full authority to make the final decisions on behalf of the RESPONDER/PROPOSER and have responsibility for communicating these decisions directly to MDOT.
 - b. Lead Design Engineer – The Lead Design Engineer shall be a Professional Engineer registered in the State of Mississippi* or be able to achieve registration prior to award, and in charge of and responsible for all aspects of the design of the PROJECT (road, bridge, hydrology, coastal engineering and geotechnical, etc.)
 - c. Utility Coordinator – The Utility Coordinator shall be responsible for coordinating the relocation of all utilities affected by the PROJECT.
 - d. Construction Manager – The Construction Manager shall be responsible for the overall coordination of the Project including design and construction.
 - e. Environmental Manager – The Environmental Manager shall be responsible for adherence to all environmental requirements and commitments, including but not limited to erosion control inspections as required by National Pollutant Discharge Elimination System (NPDES), the terms of the Categorical Exclusion, if any, and other environmental rules and regulations.
 - f. Quality Control Manager – The Quality Control Manager shall be responsible for assuring that the design, all workmanship and materials, inspections and testing are in compliance with the Contract requirements and shall be a registered Professional Engineer in the State of Mississippi* or be able to achieve registration prior to award. The Quality Control Manager shall report directly to the Project Director.
4. Identify any firms on the team who have previously worked together on similar projects.
5. Indicate the team's ability to comply with the 5 percent DBE goal.
6. Describe the approach to accomplish the various items of work required by the PROJECT as identified in the Scope.

*Miss. Code Ann Sections 73-13-1 through 73-13-45 (1972) (as amended) govern the practice of engineering in Mississippi. Firms are encouraged to contact the Mississippi

Board of Licensure for Professional Engineers and Surveyors at (601) 359-6160 to insure that individuals and firms are qualified to offer and provide services in the State of Mississippi. The Board's web address is www.pepls.state.ms.us.

7. Demonstrate the team's ability to commit necessary resources to successfully complete the PROJECT.
8. Identify the Project Director and the firm by which he/she is employed. Give a clear definition of the role and responsibility of the Project Director relative to the member firms.
9. Describe the the key elements of the Design Quality Control Program.

II. EXPERIENCE OF KEY INDIVIDUALS

Provide information demonstrating that key individuals possess the required minimum qualifications listed below:

1. All team members shall hold or obtain licenses required for performing work on the PROJECT under state and local laws.
2. Any design reports or plans and specifications shall be signed and sealed by a Professional Engineer registered in the State of Mississippi*.
3. The RESPONDER'S design team shall meet the following minimum qualifications:
 - a. The design team shall have personnel with experience and expertise in all phases of roadway design and design of bridge structures as required for this PROJECT.
 - b. The lead design engineer shall be a Registered Professional Engineer registered in the State of Mississippi* or be able to achieve registration prior to award and have a minimum of ten (10) years experience and expertise in the design of projects of similar scope and magnitude.
 - c. The design team shall have the necessary equipment and personnel to provide the designs and plans in a timely manner.
4. The RESPONDER shall provide for a Geotechnical Engineer to conduct a geotechnical investigation and provide specific recommendations for the design and construction of the foundations. The Geotechnical Staff shall contain at least one Registered Professional Engineer in the State of Mississippi* or be able to achieve registration prior to award with a minimum of ten (10) years experience in the design of bridge foundations. Registered Professional Engineers who sign and seal any reports shall be registered to practice in the State of Mississippi*.
5. The RESPONDER'S Project Director must have at least ten (10) years experience managing projects of similar scope and magnitude. Describe the Project Director's

experience leading this type and magnitude of project. Provide a list of the projects that the Project Director has managed in the past. For each project listed, provide:

- a. A brief description of each project managed, including the year(s) of construction and size and type of project, including any unusual features.
 - b. Name of owner the work was performed for and the name and phone numbers of owner's representatives who can verify and discuss the Project Director's participation in the project.
6. Provide information that the RESPONDER'S construction team meets the following minimum qualifications:
- a. The construction manager shall have a minimum of ten (10) years experience in the management of projects of similar scope and magnitude.
 - b. Each construction superintendent shall have a minimum of ten (10) years experience in supervising projects of similar scope and magnitude.
 - c. The project surveyor of the construction team shall be a Registered Land Surveyor (RLS) in the State of Mississippi* or be able to achieve registration prior to award, shall have a minimum of ten (10) years experience and demonstrate experience in roadway and bridge construction work.
7. The RESPONDER'S Quality Control team (QC) shall meet the following minimum qualifications.
- a. The QC Manager shall have a minimum of ten (10) years experience on projects of similar scope and magnitude and shall be a Registered Professional Engineer in the State of Mississippi* or able to achieve registration prior to award.
 - b. The QC team shall utilize a currently accredited AASHTO lab for testing purposes.
 - c. The inspection and materials technician personnel must obtain appropriate certification as required by the MDOT for each specific test to be performed.
8. Provide resumes of key individuals that you consider critical to the success of this PROJECT, including team members discussed above. This information may be included in the appendices and will not be counted against the 25-page maximum requirement.

Key individuals and team members are to remain for the duration of the PROJECT and changes cannot be made without MDOT approval.

III. PAST PERFORMANCE

1. For each firm included in the RESPONDER'S Team, provide information demonstrating the firm's qualifications for performing work included in this RFQ. The information is to include a list of project experience in the past five (5) years, including year(s) of design and/or construction. This information may be included in the appendices and will not be counted against the 25-page maximum requirement.

2. For each project listed, provide:
 - a. A brief description of the project.
 - b. Name of owner for whom the work was performed.
 - c. Name, title and phone numbers of owner's representatives who can verify and discuss the firm's participation in these projects.
3. Include SF 254/255 for all engineering firms and similar profiles for construction firms.
4. Provide brief answers **and explanations** to the following questions.
 - a. Has any member of the RESPONDER'S team been declared delinquent on any project within the last five (5) years?
 - b. In the past five (5) years, has any member of the RESPONDER'S team been suspended, debarred, disqualified from bidding, or declared ineligible for work by any entity or are any such actions pending against them?
 - c. Provide the number of claims submitted in the past five (5) years by the RESPONDER'S Team and how were they resolved. This does not include the exercise or assertion of a personal right.
 - d. Has any member of the RESPONDER'S Team been assessed liquidated damages on any projects within the past five (5) years?
 - e. Does any member of the RESPONDER'S team have active projects that are behind schedule? If so, why are/were the projects behind schedule?
 - f. Has any member of the RESPONDER'S team been assessed erosion and sediment control violations and/or fines within the last five (5) years?
 - g. Within the last five (5) years, has any member of the RESPONDER'S team received incentives for early project completion?

IV. QUALITY CONTROL (QC) PLAN APPROACH

Provide information on how the QC responsibilities, including design, inspection and testing will be performed on this PROJECT.

V. SAFETY

Provide the OSHA Recordable Incident Rate for each team member. Provide the RESPONDER'S safety goals for this project.

VI. FINANCIAL CONDITION

Provide a current audited financial statement for those entities identified in response to Section I(1) above. Provide information on RESPONDER'S insurance and bonding capacity. This information may be included in the appendices and will not be counted against the 25-page maximum requirement.

Additional information may be requested from RESPONDERS to this RFQ.

QUALIFICATIONS EVALUATION

The criteria shown below will be considered in determining the firm's qualification score. The maximum points for each evaluation category will be as follows:

Management Experience and Approach	30
Experience of Key Individuals	20
Past Performance	20
Quality Control Plan and Approach	10
Safety	10
Financial Condition	10
Maximum Score	100

SELECTION

Based upon the scoring of responsive submittals, the COMMISSION intends to select three (3) RESPONDERS to be invited to submit proposals for this PROJECT.

GENERAL INFORMATION

The COMMISSION reserves the right, at its sole discretion, to either proceed no further with the PROJECT RFQ process, or to re-advertise in another public solicitation.

The COMMISSION reserves the right to accept or reject any and all RESPONDERS and PROPOSERS and/or discontinue the selection process at any time prior to contract execution.

The COMMISSION assumes no liability and will not reimburse costs incurred by RESPONDER'S firms (whether selected or not) in developing responses to this RFQ.

The COMMISSION reserves the right to request or obtain additional information about any and all responses to the RFQ. The COMMISSION may also issue addenda to the RFQ which will be express-mailed to all RFQ holders.

After initial submittal, key individuals of the RESPONDER'S team cannot be changed without MDOT approval.

All RESPONDERS/PROPOSERS must visibly mark as "CONFIDENTIAL" each part of their submission that they consider to contain proprietary information, the release of which would constitute an unreasonable invasion of personal privacy. All unmarked pages will be subject to release in accordance with law. RESPONDERS should be prepared, upon request, to provide justification of why such materials should not be disclosed under the Mississippi Public Records Act, Miss. Code Ann. § 25-61-1, *et seq.*

All questions related to this RFQ shall be submitted in writing and directed to:

Mr. Harry Lee James, P.E./P.L.S.
Mississippi Department of Transportation
P.O. Box 1850
Jackson, Mississippi 39215-1850
hjames@mdot.state.ms.us

Written questions will be accepted until 5:00 PM CDT Tuesday, October 11, 2005. Only written requests to the above addressee will be considered. No requests for additional information or clarification to any other MDOT office, consultant, or employee will be considered. All responses will be in writing and will be posted to the MDOT website (www.gomdot.com).

The MDOT will not be responsible for any oral exchange or any other exchange of information that occurs outside the official process specified herein.

*Miss. Code Ann Sections 73-13-1 through 73-13-45 (1972) (as amended) govern the practice of engineering in Mississippi. Firms are encouraged to contact the Mississippi Board of Licensure for Professional Engineers and Surveyors at (601) 359-6160 to insure that individuals and firms are qualified to offer and provide services in the State of Mississippi. The Board's web address is www.pepls.state.ms.us.

MILESTONES

Advertise RFQ	September 28, 2005
Deadline for Submittal of RFQ Questions	October 11, 2005 5:00 PM CDT
Deadline for Submittal of ten (10) copies of Qualifications	October 17, 2005 10:00 AM CDT
Submit to:	
<p>Mr. B.B. House, P.E. Contract Administration Engineer Mississippi Department of Transportation 401 North West Street Post Office Box 1850 Jackson, Mississippi 39215-1850 Phone (601) 359-7730 Fax (601) 359-7732</p>	
Evaluation of Qualifications	October 17 to 24, 2005
Letter to Selected and Non-selected RESPONDERS	October 24, 2005 (Approximate Date)
Provide RFP to Selected PROPOSERS	October 24, 2005 (Approximate Date)
Informational Meeting	October 28, 2005 (Approximate Date)
Submittal of RFP Proposals	November 28, 2005 (Approximate Date)
Award/Contract Execution	December 7, 2005 (Approximate Date)
Target PROJECT Completion	July 30, 2007 (Approximate Date)