

DOTD FORM: 24-102**PROPOSAL TO PROVIDE CONSULTANT SERVICES**

(Revised August 11, 2025)

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ Contract for Professional Hydrographic Surveying Services (South Region) Statewide
2. Contract Number(s) as shown in the advertisement	4400035404
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u>)	Tice Engineering, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	VF.0000711 EF.0005409
6. Prime consultant mailing address	510 South Vardaman Street Wiggins, MS 39577
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	510 South Vardaman Street Wiggins, MS 39577
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Mr. William Ryan Tice, President 601.928.4121 ryan.tice@ticeeng.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Mr. William Ryan Tice, President 601.928.4121 ryan.tice@ticeeng.com

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

Tice Engineering, Inc.

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

Signature above shall be the same person listed in Section 9:

June 10, 2026

Date:

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s):
N/A

Firm(s)' %:

12. Discipline Table:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each discipline, as well as the overall total percent of the contract.

The **only** disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	Prime
Survey	100%	Tice Engineering, Inc.
Percent of Contract	100%	

13. Team Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify “Other (must specify)” and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: <https://bit.ly/DOTDJobClassifications>

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
Tice Engineering, Inc.	Surveyor	16	23
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		
	Choose an item.		

(Add rows as needed)

***For evaluation purposes only**, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.

SEE ATTACHED.



Corporate Office • 510 South Vardaman Str • Wiggins, MS 39577 • 601.928.4121
Branch Office • 11400 Hwy 30, Suite 305 • College Station, TX 77845 • p. 979.485.1104
www.ticeeng.com • info@ticeeng.com

ENGINEERING

MR. WILLIAM RYAN TICE,
P.E.
LOUISIANA LICENSE PE.0038257
President/Engineer Manager

SURVEYING

MR. JOHN COLTER RATLIFF,
P.S./R.P.L.S.
LOUISIANA LICENSE PLS.0005100
Vice President/Survey Manager

15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Mr. William Ryan Tice	Tice Engineering, Inc.	PE.0038257 - Civil	LA	03/31/2028
2	Mr. John Colter Ratliff	Tice Engineering, Inc.	PLS.0005100 - Survey	LA	03/31/2028

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel **not** identified in Section 14 or Section 15 of the proposal should not be included and **will not be** evaluated. Résumés are **limited to 2 pages per person**. Any certificates **required** by the advertisement are to be placed in Section 20.

Firm employed by			
Name			Years of relevant experience with this employer
Title			Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		

(Add rows as needed)

SEE ATTACHED.



W. RYAN TICE, P.E.

PRESIDENT/ENGINEER MANAGER

ryan.tice@ticeeng.com

AREA OF EXPERTISE

- TRANSPORTATION
- MUNICIPAL UTILITIES
- AIRPORTS
- SITE DEVELOPMENT

REGISTRATION

PROFESSIONAL ENGINEER

Mississippi License #15169

Louisiana License #38257

Alabama License #33877

YEARS OF EXPERIENCE

Tice Engineering, Inc., 17 years

Other Firms, 13 years

PROFESSIONAL AFFILIATIONS

Mississippi Engineering Society
(MES)

Deep South Institute of
Transportation Engineers (DSITE)

OFFICE LOCATION

510 South Vardaman Street

Wiggins, MS 39577

Office: 601.928.4121

www.ticeeng.com



EDUCATION

Bachelor of Science in Civil Engineering

1996

Mississippi State University

PROFESSIONAL HISTORY

President

March 2009 - Present

Tice Engineering Incorporated, Wiggins, Mississippi

Project Manager

April 2006 – March 2009

Neel-Schaffer Incorporated, Wiggins, Mississippi

Project Manager

December 2004 – March 2006

Neel-Schaffer Incorporated, Biloxi, Mississippi

Project Manager

March 1998 – December 2004

Neel-Schaffer Incorporated, Jackson, Mississippi

Engineer Intern

June 1996 – March 1998

Mississippi Department of Transportation, Jackson, Mississippi

PROFESSIONAL EXPERIENCE

ENGINEER MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SR 18 over Archusa Creek (Bridge 167.3)

Clarke County, Mississippi

Engineer Manager to perform a hydrographic, topographic, and boundary survey for the MS Hwy 18 bridge replacement project over Archusa Lake. The project included mapping the entire lakebed, the primary and relief bridges, property map and existing topographic features.

ENGINEER MANAGER

STONE COUNTY SCHOOL DISTRICT

New Stone High School

Stone County, Mississippi

Engineer Manager to design and oversee construction of access roads, bus drop off/pickup and parking lots associated with the construction of the New Stone County High School. This project was part of a phased/campus-wide construction project.

W. RYAN TICE, P.E.

PRESIDENT/ENGINEER MANAGER

ENGINEER MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SR 27 (I-55 TO WARRIORS TRAIL)*Copiah, Hinds, and Warren Counties, Mississippi*

Engineer Manager for the SR 27 (I-55 to Warriors Trail) survey. Scope of work included conducting an Aerial Drone LiDAR survey as well as hydrographic surveys for the proposed SR 27 widening project from Crystal Springs to Vicksburg, Mississippi. Additionally, a property map and topographic survey was conducted for a 9-mile section of the project.

ENGINEER MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SR 26 (Bridges Nos. 65.2, 67.2 & 67.6)*George County, Mississippi*

Engineer Manager to perform a hydrographic and topographic survey and Box Culvert Site (Bridge No. 67.6) at Pascagoula River in George County. The project included a hydrographic survey of 3,000 feet of the Pascagoula River, an Aerial LiDAR survey of a 300 feet wide corridor along four (4) miles of State Route 26, and a terrestrial scan of all bridge pilings under the existing bridge.

ENGINEER MANAGER

GARVER

SR 25 (Lakeland Drive) at Pearl River*Hinds / Rankin Counties, Mississippi*

Engineer Manager to perform a single beam hydrographic survey cross sections of the Pearl River upstream and downstream of the Highway 25 bridge crossing. The survey data was utilized in hydraulic modeling of the river on future bridge design projects.

ENGINEER MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

US 80 and I-20/I-55 over Pearl River*(Bridges Nos. 46.4, 46.4A, and 46.4B)**Hinds and Rankin Counties, Mississippi*

Engineer Manager to perform a hydrographic survey of the Pearl River and Ponds, and LiDAR Drone and Terrestrial scan of the railroad bridges between I-20 and I-55 in Jackson, MS.



MR. JOHN COLTER RATLIFF, P.S.
**VICE PRESIDENT/
SURVEY MANAGER**
colt.ratliff@ticeeng.com

AREA OF EXPERTISE

- BOUNDARY SURVEYS
- HYDROGRAPHIC SURVEYS
- TOPOGRAPHIC SURVEYS
- ROUTE SURVEYS
- AERIAL DRONE PILOT

REGISTRATION

PROFESSIONAL SURVEYOR
Mississippi License #3008
Louisiana License #5100
Alabama License #31575
Arkansas License #1753
Florida License #7024
Texas License #6640

YEARS OF EXPERIENCE

Tice Engineering, Inc., 14 years
Other Firms, 9 years

PROFESSIONAL AFFILIATIONS

National Society of Professional Surveyors (NSPS)
Mississippi Association of Professional Surveyors (MAPS)
Alabama Society of Professional Land Surveyors (ASPLS)
Louisiana Society of Professional Surveyors (LSPS), District 9
Florida Surveying & Mapping Society (FSMS), Panhandle Chapter

OFFICE LOCATION

510 South Vardaman Street
Wiggins, MS 39577
Office: 601.928.4121
www.ticeeng.com



EDUCATION

Bachelor of Science College of Agriculture 2002
(Emphasis in Surveying)
Mississippi State University

PROFESSIONAL HISTORY

Vice President/Survey Manager June 2012 - Present
Tice Engineering Incorporated, Wiggins, Mississippi

Professional Supervisory Surveyor March 2010 – May 2012
Knesal Engineering Services, Incorporated, Gulfport, Mississippi

Project Surveyor January 2006 – March 2010
Knesal Engineering Services, Incorporated, Gulfport, Mississippi

Party Chief August 2003 – January 2006
Knesal Engineering Services, Incorporated, Gulfport, Mississippi

Engineering Aide II January 2003 – August 2003
Mississippi Dept of Transportation, District 6, Hattiesburg, Mississippi

PROFESSIONAL EXPERIENCE

SURVEY MANAGER

Mississippi Department of Transportation
US 80 and I-20/I-55 over Pearl River
(Bridges Nos. 46.4, 46.4A, and 46.4B)
Hinds and Rankin Counties, Mississippi

Survey Manager to perform a hydrographic survey of the Pearl River and Ponds, and LiDAR Drone and Terrestrial scan of the railroad bridges between I-20 and I-55 in Jackson, MS.

SURVEY MANAGER

GARVER
SR 25 (Lakeland Drive) at Pearl River
Hinds / Rankin Counties, Mississippi

Survey Manager to perform a single beam hydrographic survey cross sections of the Pearl River upstream and downstream of the Highway 25 bridge crossing. The survey data was utilized in hydraulic modeling of the river on future bridge design projects.

J. COLTER RATLIFF, P.S.

VICE PRESIDENT/
SURVEY MANAGER

SURVEY MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SR 26 (Bridges Nos. 65.2, 67.2 & 67.6)

George County, Mississippi

Survey Manager to perform a hydrographic and topographic survey and Box Culvert Site (Bridge No. 67.6) at Pascagoula River in George County. The project included a hydrographic survey of 3,000 feet of the Pascagoula River, an Aerial LiDAR survey of a 300 feet wide corridor along four (4) miles of State Route 26, and a terrestrial scan of all bridge pilings under the existing bridge.

SURVEY MANAGER

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SR 27 (I-55 TO WARRIORS TRAIL)

Copiah, Hinds, and Warren Counties, Mississippi

Survey Manager for the SR 27 (I-55 to Warriors Trail) survey. Scope of work included conducting an Aerial Drone LiDAR survey as well as hydrographic surveys for the proposed SR 27 widening project from Crystal Springs to Vicksburg, Mississippi. Additionally, a property map and topographic survey was conducted for a 9-mile section of the project.

SURVEY MANAGER

Mississippi Department of Transportation

SR 18 over Archusa Creek (Bridge 167.3)

Clarke County, Mississippi

Survey Manager to perform a hydrographic, topographic, and boundary survey for the MS Hwy 18 bridge replacement project over Archusa Lake. The project included mapping the entire lake bed, the primary and relief bridges, property map and existing topographic features.

SURVEY MANAGER

VOLKERT, INCORPORATED

Ross Barnett Reservoir/Pelahatchie Bay

Rankin / Madison Counties, Mississippi

Survey Manager for the singlebeam hydrographic survey of the Pelahatchie Bay in the Ross Barnett Reservoir. The survey area covered more than 1,800 acres with water depths ranging from 2-20 feet.

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects*** should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name			Discipline(s)*	**copy disciplines as listed below**	
Project name				Firm responsibility (prime or sub?)	
Project number		Owner's name			
Project location			Owner's Project Manager		
Owner's address, phone, email					
Services commenced by this firm (mm/yy)		Total consultant contract cost (\$1,000's)			
Services completed by this firm (mm/yy)		Cost of consultant services provided by this firm (\$1,000's)			

Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

* If there is more than one discipline included in the proposal, then indicate which discipline(s) this project is being used to represent.

**This field cannot be left blank and N/A is not acceptable.

The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.

~~~Copy these disciplines exactly as they are listed above.~~~

\*\*\* Consultants have the flexibility to determine what a project is though **still limited to one project per sheet**. For example, an IDIQ or other retainer-type contract can be considered a project for the purpose of this section.

**SEE ATTACHED.**

|                                         |                                       |                                                                             |                                                               |                         |                                       |              |
|-----------------------------------------|---------------------------------------|-----------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|---------------------------------------|--------------|
| Firm name                               | Tice Engineering, Inc.                |                                                                             | Discipline(s)* Survey                                         |                         | **copy disciplines as listed below**  |              |
| Project name                            | SR 26 (Bridge Nos. 65.2, 67.2 & 67.6) |                                                                             |                                                               |                         | Firm responsibility (prime or sub?)   | Prime        |
| Project number                          | STBG-0028-01(052)/109663-101100       | Owner's name                                                                | Mississippi Department of Transportation (MDOT)               |                         |                                       |              |
| Project location                        | George County                         |                                                                             |                                                               | Owner's Project Manager | Ron Hilburn, Assistant State Surveyor |              |
| Owner's address, phone, email           |                                       | 401 North West Street, Jackson, MS 39201, 601.359.7001, rhilbun@mdot.ms.gov |                                                               |                         |                                       |              |
| Services commenced by this firm (mm/yy) |                                       | May 2025                                                                    | Total consultant contract cost (\$1,000's)                    |                         |                                       |              |
| Services completed by this firm (mm/yy) |                                       | November 2025                                                               | Cost of consultant services provided by this firm (\$1,000's) |                         |                                       | \$204,880.35 |

Describe the project including the firm's role and members involved. **Tice Engineering is hired by the Mississippi Department of Transportation (MDOT) to perform a hydrographic and topographic survey for the SR 26 Bridge Sites (Bridge Nos. 65.2 and 67.2) and Box Culvert Site (Bridge No. 67.6) at Pascagoula River in George County. The project included a hydrographic survey of 3,000 feet of the Pascagoula River, an Aerial LiDAR survey of a 300 feet wide corridor along four (4) miles of State Route 26, and a terrestrial scan of all bridge pilings under the existing bridge.**

TEI Team:

**W. Ryan Tice, P.E., Engineer Manager**

**Ben Burton, EI, Engineer Intern**

**Jason Snell, Senior CADD Technician**

**Shane McKnight, CADD Technician**

**Greg Anderson, Crew Chief**

**Colt Ratliff, P.S. Survey/Project Manager**

**Matthew Jones, P.S., Staff Surveyor**

**Trey Danzey, Data Processing**

**Robert Hoskin, Crew Manager**

**Jarrold Hill, Crew Chief**

|                                         |                                         |                                                                                |                                                               |                         |                                             |              |
|-----------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------|---------------------------------------------|--------------|
| Firm name                               | Tice Engineering, Inc.                  |                                                                                | Discipline(s)* Survey                                         |                         | **copy disciplines as listed below**        |              |
| Project name                            | SR 18 over Archusa Creek (Bridge 167.3) |                                                                                |                                                               |                         | Firm responsibility (prime or sub?)         | Prime        |
| Project number                          | STBG-0065-02(012)109315-101100          | Owner's name                                                                   | Mississippi Department of Transportation (MDOT)               |                         |                                             |              |
| Project location                        | Clarke County                           |                                                                                |                                                               | Owner's Project Manager | Chad Ainsworth, P.L.S., MDOT State Surveyor |              |
| Owner's address, phone, email           |                                         | 401 North West Street, Jackson, MS 39201, 601.359.7001, cainsworth@mdot.ms.gov |                                                               |                         |                                             |              |
| Services commenced by this firm (mm/yy) |                                         | February 2024                                                                  | Total consultant contract cost (\$1,000's)                    |                         |                                             |              |
| Services completed by this firm (mm/yy) |                                         | June 2024                                                                      | Cost of consultant services provided by this firm (\$1,000's) |                         |                                             | \$138,182.78 |

Describe the project including the firm's role and members involved:

**Tice Engineering was hired by the Mississippi Department of Transportation (MDOT) to perform a hydrographic, topographic, and boundary survey for the MS Hwy 18 bridge replacement project over Archusa Lake. The project included mapping the entire lakebed, the primary and relief bridges, property map and topographic features.**

TEI Team:

**W. Ryan Tice, P.E., Engineer Manager**

**Ben Burton, EI, Engineer Intern**

**Jason Snell, Senior CADD Technician**

**Shane McKnight, CADD Technician**

**Greg Anderson, Crew Chief**

**Colt Ratliff, P.S. Survey/Project Manager**

**Matthew Jones, P.S., Staff Surveyor**

**Trey Danzey, Data Processing**

**Robert Hoskin, Crew Manager**

**Jarrold Hill, Crew Chief**

|                                         |                                                                                                                   |                                                               |                                                                     |                                             |                          |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------|--------------------------|
| Firm name                               | <b>Tice Engineering, Inc.</b>                                                                                     |                                                               | Discipline(s)* Survey                                               | <b>**copy disciplines as listed below**</b> |                          |
| Project name                            | <b>SR 25 (Lakeland Drive) at Pearl River</b>                                                                      |                                                               |                                                                     | Firm responsibility (prime or sub?)         | Sub                      |
| Project number                          | <b>NBIS (159)/105324-119000</b>                                                                                   | Owner's name                                                  | <b>Mississippi Department of Transportation (MDOT)/ Garver, LLC</b> |                                             |                          |
| Project location                        | <b>Hinds &amp; Rankin Counties</b>                                                                                |                                                               |                                                                     | Owner's Project Manager                     | <b>Keith Quick, P.E.</b> |
| Owner's address, phone, email           | <b>1076 Highland Colony Parkway, Suite 325, Ridgeland, Mississippi 39157, 601-941-6775, BKQuick@garverusa.com</b> |                                                               |                                                                     |                                             |                          |
| Services commenced by this firm (mm/yy) | January 2024                                                                                                      | Total consultant contract cost (\$1,000's)                    |                                                                     |                                             |                          |
| Services completed by this firm (mm/yy) | February 2024                                                                                                     | Cost of consultant services provided by this firm (\$1,000's) |                                                                     |                                             | \$11,519.62              |

Describe the project including the firm's role and members involved:

**Tice Engineering was hired to provide a single beam hydrographic survey cross sections of the Pearl River upstream and downstream of the Highway 25 bridge crossing. The survey data was utilized in hydraulic modeling of the river on future bridge design projects.**

TEI Team:

**W. Ryan Tice, P.E.,** Engineer Manager  
**Matthew Jones, P.S.,** Staff Surveyor  
**Trey Danzey,** Data Processing  
**Greg Anderson,** Crew Chief

**Colt Ratliff, P.S.** Survey/Project Manager  
**Ron Northrop,** Senior CADD Technician  
**Robert Hoskin,** Crew Manager  
**Jarrold Hill,** Crew Chief

|                                         |                                                                                                                                                                                                                     |                                                               |                                                 |                                             |       |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------|---------------------------------------------|-------|
| Firm name                               | Tice Engineering, Inc.                                                                                                                                                                                              |                                                               | Discipline(s)* Survey                           | **copy disciplines as listed below**        |       |
| Project name                            | SR 27 (I-55 to Warriors Trail)                                                                                                                                                                                      |                                                               |                                                 | Firm responsibility (prime or sub?)         | Prime |
| Project number                          | STBG-0054-02(033)/102734-102110,<br>STBG-0054-02(033)/102734-102120,<br>STBG-0054-02(034)/102734-103100,<br>STBG-0054-02(035)/102734-104100,<br>STBG-0054-02(036)/102734-105110,<br>STBG-0054-02(036)/102734-105120 | Owner's name                                                  | Mississippi Department of Transportation (MDOT) |                                             |       |
| Project location                        | Copiah, Hinds, and Warren Counties                                                                                                                                                                                  |                                                               | Owner's Project Manager                         | Chad Ainsworth, P.L.S., MDOT State Surveyor |       |
| Owner's address, phone, email           | 401 North West Street, Jackson, MS 39201, 601.359.7001, cainsworth@mdot.ms.gov                                                                                                                                      |                                                               |                                                 |                                             |       |
| Services commenced by this firm (mm/yy) | December 2021                                                                                                                                                                                                       | Total consultant contract cost (\$1,000's)                    |                                                 |                                             |       |
| Services completed by this firm (mm/yy) | December 2022                                                                                                                                                                                                       | Cost of consultant services provided by this firm (\$1,000's) |                                                 | \$468,662.96                                |       |

Describe the project including the firm's role and members involved:

**Tice Engineering was hired to conduct an Aerial Drone LiDAR survey as well as hydrographic surveys for the proposed SR 27 widening project from Crystal Springs to Vicksburg, Mississippi. Additionally, a property map and topographic survey will be conducted for a 9-mile section of the project.**

TEI Team:

**W. Ryan Tice, P.E.,** Engineer Manager  
**Ben Burton, EI,** Project Manager  
**Shane McKnight,** CADD Technician  
**Jarrold Hill,** Crew Chief

**Colt Ratliff, P.S.** Survey/Project Manager  
**Matthew Jones, P.S.,** Staff Surveyor  
**Trey Danzey,** Data Processing

|                                         |                                                                           |                                                                                |                                                               |                                     |                                      |                                             |
|-----------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------|--------------------------------------|---------------------------------------------|
| Firm name                               | Tice Engineering, Inc.                                                    |                                                                                | Discipline(s)*Survey                                          |                                     | **copy disciplines as listed below** |                                             |
| Project name                            | US 80 and I-20/I-55 over Pearl River (Bridge Nos. 46.4, 46.4A, and 46.4B) |                                                                                |                                                               | Firm responsibility (prime or sub?) |                                      | Prime                                       |
| Project number                          | STP-7314-00(039)/107569-103002/103102                                     | Owner's name                                                                   | Mississippi Department of Transportation (MDOT)               |                                     |                                      |                                             |
| Project location                        | Hinds and Rankin Counties                                                 |                                                                                |                                                               | Owner's Project Manager             |                                      | Chad Ainsworth, P.L.S., MDOT State Surveyor |
| Owner's address, phone, email           |                                                                           | 401 North West Street, Jackson, MS 39201, 601.359.7001, cainsworth@mdot.ms.gov |                                                               |                                     |                                      |                                             |
| Services commenced by this firm (mm/yy) |                                                                           | April 2022                                                                     | Total consultant contract cost (\$1,000's)                    |                                     |                                      |                                             |
| Services completed by this firm (mm/yy) |                                                                           | July 2022                                                                      | Cost of consultant services provided by this firm (\$1,000's) |                                     |                                      | \$25,688.50                                 |

Describe the project including the firm's role and members involved:

**Tice Engineering, Inc. was selected by Mississippi Department of Transportation (MDOT) to perform a hydrographic survey of the Pearl River and Ponds, and LiDAR Drone and Terrestrial scan of the railroad bridges.**

TEI Team:

**W. Ryan Tice, P.E., Engineer Manager**

**Ben Burton, EI, Project Manager**

**Jason Snell, Senior CADD Technician**

**Colt Ratliff, P.S. Survey/Project Manager**

**Matthew Jones, P.S., Staff Surveyor**

**Trey Danzey, Crew Chief**

**18. Approach and Methodology:**

Provide a description of how the work will be performed and **provide the proposed project schedule**. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. **If more than four pages are included, all pages after the fourth page will not be evaluated.**

**If the consultant has information it believes is proprietary, label it accordingly.**

**SEE ATTACHED.**



# SURVEY PLAN

## **Overview:**

This is the proposed contractor's plan for all surveys carried out under this contract. The surveys may be performed utilizing RTK GPS equipment, a dual frequency fathometer, drone, LIDAR, UTV, and survey vessels to complete the surveying operations. The hydrographic surveying software, HYPACK, will be utilized to perform, record, and process all hydrographic survey data, and MicroStation will be utilized to prepare all survey deliverables. A surveyor licensed in the state of Louisiana will perform and/or certify all survey controls, pre-construction surveys, process submittal surveys, and as-built surveys. Mr. John Colter Ratliff's, P.S., will be the Professional Surveyor responsible for direct supervision of the survey work performed and Mr. William Ryan Tice's P.E. is to aid in project supervision of the surveying portion if necessary.

## **Procedure (Hydrographic):**

The hydrographic portion of the project surveys shall be performed utilizing a survey crew-boat and HYPACK Survey Software. Trimble GPS RTK receivers will be used for horizontal and vertical positioning of the boat throughout the survey. Bottom elevations will be provided through the use of a single beam dual frequency fathometer equivalent to an Odom CV100 Echo Souder. Prior to conducting the hydrographic surveys the following diagnostics will be performed:

- 1) Check the output of the GPS receivers at a known location to assure proper horizontal positioning.
- 2) Perform a "bar check" of the Fathometer transducers to assure proper depth readings.
- 3) Deploy a CTD to acquire sound velocity.

After the equipment has been calibrated, the survey boat will proceed to follow the cross-section lines guided electronically by the computer system. The instrument operator will start and stop the data collection as the boat enters and leaves the areas to be surveyed, respectively. The computer will coordinate the collection and storage of data in real time as the sections are surveyed.

Survey boat speed and data collection rate shall be coordinated such that data will be collected at intervals of three feet or less along the transect lines. The planned transect line spacing for the hydrographic surveys shall be 200 hundred feet or less.

After the sections are taken, the initial equipment checks will be repeated to verify the continued accuracy of the equipment. Also, before, during, and after survey operations a CTD casting will be taken to acquire a sound velocity profile of the water column for processing.

The recorded hydrographic data will be combined with the upland survey data during post processing. The resulting information will be stored along with the original data collected.

All cross section and contour plots will be made during post processing. Volume calculations will be performed utilizing a bounded .tin to .tin method where .tin surfaces have a specified boundary and are compared to one another and the areas of change are calculated as volume. These volume calculations will be performed in AutoCad Civil 3D although the deliverable products will be delivered in MicroStation.

Data will be submitted per project specification or project engineer's request.

#### **Pre-Construction Survey:**

The pre-construction survey shall show the existing bathymetry, topography, existing infrastructure, and magnetic detections in plan and profile deliverables using markers, spot elevations, coordinates, contour lines, and grades as deemed necessary by the survey firm to best depict and represent the items surveyed in the field. All hard-copy deliverables will be prepared using AutoCad Civil 3D on 11"x17" paper and submitted in .pdf format to the client and if requested to the representing project engineer or project representative. These pre-construction surveys will include quantities of the marsh creation fill area, water control structure, or earthen plug as applicable. The software used to calculate the quantities provided will be done in AutoCad Civil 3D.

Temporary Bench Marks may be installed in various places within the project site as deemed necessary to facilitate a more streamlined work flow of data collection while surveys are being performed. These benchmarks, if installed, will be located and if disturbed or damaged during construction they will be repaired and resurveyed unless the site is deemed they are located is deemed to be unsafe or it is agreed upon with the project engineer that the point is no longer necessary.

Temporary Aids to Navigation will be located after installation as well as any existing infrastructure located within one-hundred-fifty (150) feet of the borrow areas, earthen containment dikes, earthen containment dike borrow areas, marsh creation fill areas, dredge pipeline corridors, equipment access corridors, hydraulic dredge access corridor, and water control structures. The existing infrastructure may include but not be limited to pipelines, power lines, and other objects found during the surveying process.

Any significant magnetometer detections found to be greater than a 50 gamma amplitude will be located using a 30 foot closed loop path and if possible, by probing. The anomalies will be shown on the magnetometer survey and delivered to the client for review. The transect lines for the magnetometer survey will be the same as the transect lines shown in the construction survey layout plans.

**Deliverables:**

Survey data will be provided in Microsoft Excel, or approved equal file type utilizing a web-based file transfer site. The bathymetric data will be in a format represented as transect/alignment number, point number, northing coordinate, easting coordinate, elevation, and point description.

The survey drawings will be provided in AutoCad Civil 3D .dwg format and in Adobe Acrobat or approved equal file types on a web-based file transfer site. Once the As-Built Surveys have been completed three (3) hard copies of the surveys will be provided to the engineer. All survey drawings will conform to CPRA drafting standards and contain:

- Project Name
- License Number and Seal of a Professional Land Surveyor
- Location of all secondary survey monuments and temporary benchmarks in plan view
- Survey transects, spot elevations and +/- 1.0 foot contour lines shown in plan view
- Transects shown in profile view and include mean high and mean low water levels
- Magnetometer anomalies and infrastructure that has been located in plan view
- Infrastructure and magnetic anomalies higher than 50 gammas will be shown in the profile view
- The most recent obtainable geo-rectified digital orthophoto quarter quadrangle aerial color photographs shown in the background
- Any revisions such as field or change orders will be noted, shown in red, and be easily distinguishable from the original design

**19. Workload:**

For all contracts where a firm on the team is a prime consultant or sub-consultant and where **a)** the consultant selection was made by DOTD, and **b)** a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

- 1) one of the team's firms is responsible for the performance of the work;
- 2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
- 3) the work has not yet been performed and invoiced; and
- 4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

| Firm(s)<br><b>ALL FIRMS MUST BE<br/>REPRESENTED IN THIS<br/>TABLE</b> | Discipline(s) * | Contract Number and<br>State Project Number | Project Name | Remaining<br>Unpaid<br>Balance** |
|-----------------------------------------------------------------------|-----------------|---------------------------------------------|--------------|----------------------------------|
| <b>Tice Engineering, Inc.</b>                                         | Choose an item. |                                             |              | N/A                              |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |
|                                                                       | Choose an item. |                                             |              |                                  |

(Add rows as needed)

DO NOT SUM

**\* The only disciplines to be used are: Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic.** If a firm has more than one discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per discipline.

\*\* Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. **NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE.** LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

**20. Certifications/Licenses:**

If the advertisement requires submission of licenses and/or certificates, include them here. **Otherwise, leave this section blank.**

**SEE ATTACHED.**



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/28/2026 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. William Ryan Tice  
510 South Vardaman Street  
Wiggins, Mississippi 39577

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                          |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>LOUISIANA PROFESSIONAL<br/>ENGINEERING &amp; LAND SURVEYING BOARD<br/>(LPELS)</b>                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8550 United Plaza Blvd, Suite 903<br>Baton Rouge, LA 70809<br>Phone (225) 925-6291<br><a href="http://www.lapels.com">www.lapels.com</a> |  |
| <b>Mr. William Ryan Tice</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                          |  |
| License/Certificate Type - Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Expiration Date                                                                                                                          |  |
| <b>PE.0038257</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>03/31/2028</b>                                                                                                                        |  |
| <b>Status: Active</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                          |  |
| <p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p> |                                                                                                                                          |  |

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

### Disclaimer

All information provided by LPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LPELS.



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 5/28/2026 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. John Colter Ratliff  
510 South Vardaman Street  
Wiggins, Mississippi 39577

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                          |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>LOUISIANA PROFESSIONAL<br/>ENGINEERING &amp; LAND SURVEYING BOARD<br/>(LPELS)</b>                                                     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 8550 United Plaza Blvd, Suite 903<br>Baton Rouge, LA 70809<br>Phone (225) 925-6291<br><a href="http://www.lapels.com">www.lapels.com</a> |  |
| <b>Mr. John Colter Ratliff</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                          |  |
| License/Certificate Type - Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Expiration Date                                                                                                                          |  |
| <b>PLS.0005100</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>09/30/2027</b>                                                                                                                        |  |
| <b>Status: Active</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                          |  |
| <p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p> |                                                                                                                                          |  |

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

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**21. QA/QC Plan:**

If the advertisement requires submission of a QA/QC plan, include it here. **Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.**

**22. Sub-consultant information:**

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

| <b>Firm Name</b><br><b>(Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including punctuation, include screenshot(s) from SOS at the end of Section 20</u>)</b> | <b>Address</b> | <b>Point of Contact and email address</b> | <b>Phone Number</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------|---------------------|
|                                                                                                                                                                                                            |                |                                           |                     |
|                                                                                                                                                                                                            |                |                                           |                     |
|                                                                                                                                                                                                            |                |                                           |                     |

(Add rows as needed)

**23. Location:**

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. **Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.**