DOTD FORM: 24-102

(Revised December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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	BRIAN RD OVER DRAINAGE BAYOU EAST BATON ROUGE PARISH
2. Contract Number(s) as shown in the advertisement	4400030643
3. State Project Number(s), if shown in the advertisement	H.015976.5
4. Prime consultant name (Exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation. Screenshot from SOS at the end of Section 20)	**TriCoeur Services, L.L.C.** TriCoeur Services LLC (Louisiana charter number 40282112K)
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF#: 4660 VF#: 0653
6. Prime consultant mailing address	9270 Siegen Lane, Bldg. 501, Baton Rouge, LA 70810
7. Prime consultant physical address (existing, if location is used as an evaluation criteria)	9270 Siegen Lane, Bldg. 501, Baton Rouge, LA 70810
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Barry P. Gahagan, PE, PLS; Projects Principal Phone: 225-266-7507 E-Mail: BGahagan@TriCoeur.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Aileen Foley, Managing Principal Phone:225-228-2681 Email: AFoley@TriCoeur.com

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: Date: April 9, 2025
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): Firm(s)' %: Not applicable

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.**

Disciplines	% of Overall Contract	Prime TriCoeur Services, LLC	Firm B Landsource, Inc.	Firm C Terracon Consultants, Inc.			Each Discipline must total to 100%
Bridge	63.3%	100%					**100%**
Survey	28.1%	10%	90%				**100%**
Environmental	8.6%	4%		96%			**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	**100%**	66.4%	25.3%	8.3%			

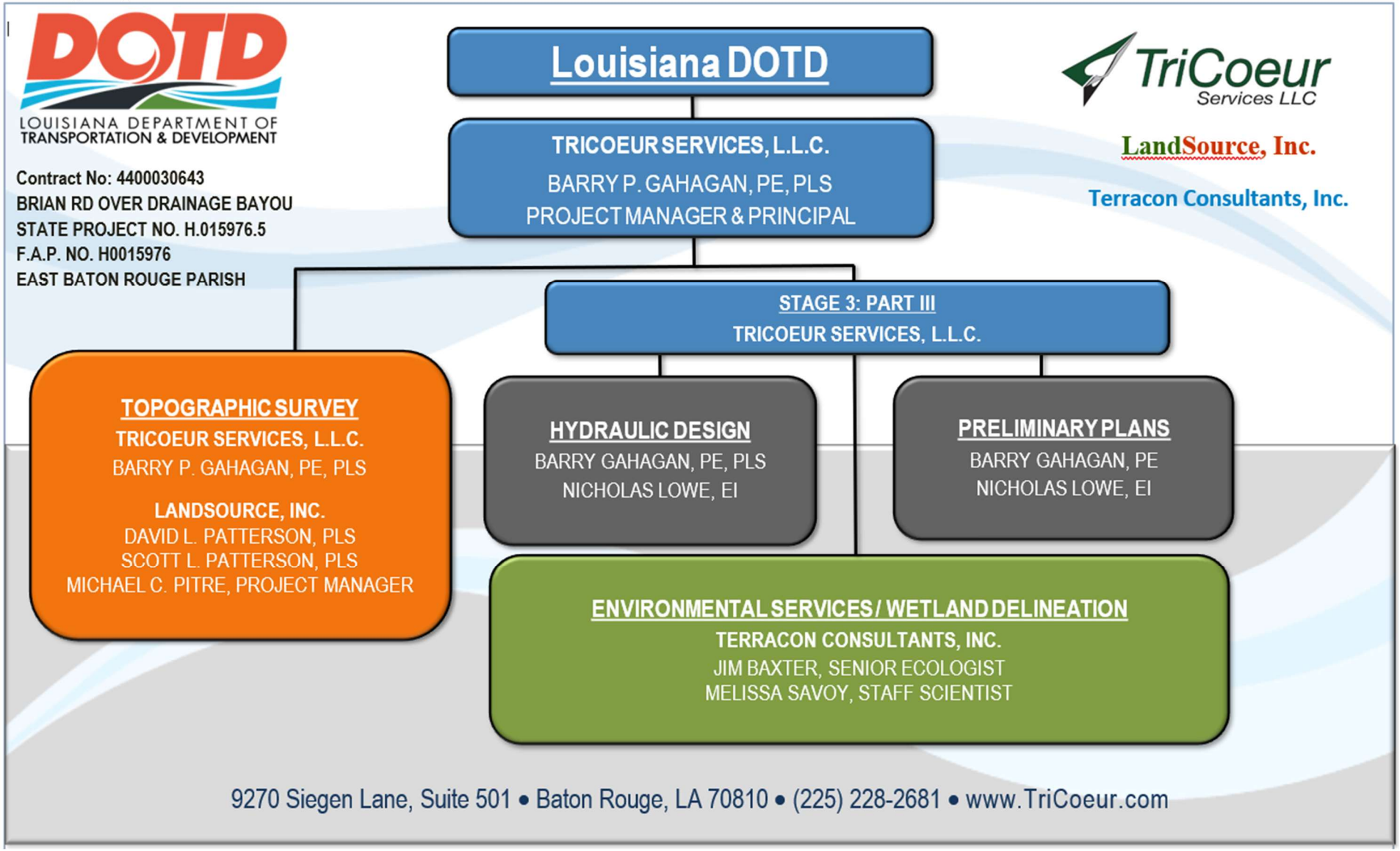
13. Firm Size:

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:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
TriCoeur Services LLC **TriCoeur Services, L.L.C.**	Engineer	1	5
	Engineer – Intern	1	1
	CADD Drafter	1	1
	Party Chief	0	1
	Sub-Total	**3**	**8**
LandSource, Inc.	Surveyor	2	2
	CADD Technician	2	3
	Clerical	1	1
	Administrative	2	2
	Party Chief	2	4
	Technician	1	1
	Sub-Total	**10**	**13**
Terracon Consultants, Inc.	Biologist/Wetlands	1	3
	Environmental Manager	1	4
	Sub-Total	**2**	**3**
	Total	**15**	**24**

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.**



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 / certification & number	State of license	License / certification expiration date
1	Barry P. Gahagan, PE	TriCoeur Services LLC	PE /Civil 21586	LA	3/31/2026
2	Barry P. Gahagan, PE		PE /Civil 21586	LA	3/31/2026
3	Barry P. Gahagan, PE		PE /Civil 21586	LA	3/31/2026
4	David L. Patterson, PLS	LandSource, Inc.	PLS.0004784	LA	3/31/2027
4	Scott L. Patterson, PLS		PLS.0005246	LA	9/30/2025
5	Jim Baxter	Terracon Consultants, Inc.	N/A	N/A	N/A

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 **TriCoeur Services, L.L.C.**					
Name	**Barry P Gahagan, P.E., P.L.S.**		Years of relevant experience with this employer	14	
Title	Projects Principal		Years of relevant experience with other employer(s)	33	
Degree(s) / Years / Specialization			Bachelor of Science/ 1980 / Civil Engineering LSU Master of Science / 1990 / Civil (Structural) Engineering LSU		
Active registration number / state / expiration date			PE LA 21586, PLS 4834 / Louisiana / 3/31/2026		
Year registered	1985 1997	Discipline	Civil Engineering Land Surveying		
Contract role(s) / brief description of responsibilities			Project Manager		

Experience dates	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23-Current	**SP No. H015051 OSB Plaquemines Parish (Martin Lane Over Drainage Canal)** Project Manager/ coordinated with Parish/ directed topographic survey/ designed horizontal and vertical geometrics for approach roadways/ established bridge span configuration/ completed drainage design of new slab span bridge replacement for Hurricane Protection Levee crossing.
12/18 – Current	**SP No. H013122.5 OSB Ouachita Parish (Pine Street over West Prong of Young's Bayou & Harrison – Collier Streets over Concrete Drainage Canal) TS & PP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics for approach roadways and bridge span configuration/ coordinated drainage design/ reviewed plan preparation of two multiple RCB crossings in place of existing bridge structures along existing skewed alignments in FEMA floodways.
12/18 – Current	**SP No. H013098.5 OSB Vernon Parish (Jim Cryer Rd. over Bayou Anacoco) TS & PP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics for approach roadways and bridge span configuration/ developed structure type size and location recommendation/ reviewed plan preparation of a 5 span LG25 crossing along offset alignment to enabling Parish's request to through travel during construction. Initiated (5) 48ft spans alternative of (6) 40ft spans to improve debris passage and gained economic advantage by elimination of one intermediate bent.
09/13 – 03/17	**SP No. H010597.5 OSB West Feliciana Parish (Sligo Road Bridges) TS, PP & FP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics along extremely hilly terrain for approach roadways and bridge-span configuration/ developed structure type size and location recommendations/ prepared graphical grades/ ROW taking sketches and reviewed plan preparation for the skewed 12 span Quad Beam crossing of Bayou Sara and the 3-span crossing of Gayle's Creek. Site construction sequencing to maintain access to landowners between sites.

04/13 - 04/16	**SP No. H010040.5 OSB Morehouse Parish (Bud Road & Bonne Idee Road Bridges) TS, PP & FP** Project Manager/ designed horizontal and vertical geometrics for approach roadways and bridge span configuration/ developed structure type size and location recommendation/ ROW taking sketches and reviewed plan preparation for skewed /re-aligned/ curved and super-elevated slab span crossings. Prepared cantilevered sheetpile wall system design to minimize wetland encroachment.
05/13 - 01/14	**East Baton Rouge City Parish Project No. 12-BR-US-018 (East Brookstown Bridge over Hurricane Bayou, Bridge Replacement) TS, PP & FP** Project Manager/ designed horizontal and vertical geometrics for approach roadways and bridge span configuration/ developed structure type size and location recommendation/ and reviewed plan preparation for slab span crossings over concrete lined channel and along challenging utility corridor including shallow, large diameter sewer force main and maintained pedestrian access.
02/19 - 03/20	**East Feliciana Parish Project No. PW1178-DR 4277 LA (FEMA) (Carruth Road Bridge) TS, PP & FP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics along narrow flood prone corridor for approach roadways and bridge span configuration/ developed structure type size and location recommendation and reviewed plan preparation for a multi span LG25 crossing as a cost saving alternative to "in kind" timber bridge crossing of the Lateral and Comite Creek Relief structure north of Clinton, LA.
02/19 - 04/20	**East Feliciana Parish Project No. PW1190-DR 4277 LA (FEMA) (John Thomas Lane Bridge) TS, PP & FP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics along narrow flood prone corridor for approach roadways and bridge span configuration/ ROW taking sketches /developed structure alternative span recommendation and reviewed plan preparation for a multi concrete slab crossing as a cost saving alternative to "in kind" timber bridge crossing of the Waterfall Bayou structure south of Clinton, LA.
02/17 - 02/18	**West Feliciana Parish Project No. 16-HMP-PW-02 (FEMA) (Plettenberg Road Bridge) TS, PP & FP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics along sharply curved alignment in extremely flood prone corridor for approach roadways and bridge span configuration/ prepared ROW taking sketches /developed structure alternative span recommendation of three central quad beam spans and curved end slab spans/ reviewed plan preparation for the Polly Creek crossing replacement structure in the seasonally flood prone areas from the Mississippi River batture north of St Francisville, LA.
02/11 - 02/13	**Jefferson Parish Project No. DPW-97-046B-DR(SELA) (WB West Metairie Ave over Soniat Canal) PP & FP** Project Manager/ directed topographic survey/ designed horizontal and vertical geometrics along curved alignment requiring split phase construction, channel paving, approach surcharge loading and designed superstructure and substructure including segmental spliced precast pile construction below high tower electrical transmission lines. This project alternative was conceived following realization of constructability issues at the confluence of pumped drainage canals at the upstream terminus of USACE/SELA flood improvement project.

16. Staff Experience:

Firm employed by **TriCoeur Services, L.L.C.**					
Name	**Nicholas Lowe, EI**		Years of relevant experience with this employer	4	
Title	Engineer Intern		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			Bachelor of Science/2019/ Civil Engineering LSU		
Active registration number / state / expiration date			EI 0034695 / Louisiana / 9/30/2026		
Year registered	2020	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer Intern		

Experience dates	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23-Current	**SP No. H015051 OSB Plaquemines Parish (Martin Lane Over Drainage Canal)** Assisted in preparation of plan/profile, geometric calculations, and preliminary plan preparation for horizontal and vertical geometrics for approach roadways/ established bridge span configuration/ completed drainage design of new slab span bridge replacement for Hurricane Protection Levee crossing.
12/19 – Current	**SP No. H013122.5 OSB Ouachita Parish (Pine Street over West Prong of Young's Bayou & Harrison – Collier Streets over Concrete Drainage Canal) TS & PP** Assisted preparation of drainage plan/profiles, quantity calculations, and final plan preparation for approach roadways and culvert configuration/ plan preparation of two multiple RCB crossing sites in place of existing bridge structures along existing skewed alignments in FEMA floodways.
02/19 - 03/22	**East Feliciana Parish Project No. PW1178-DR 4277 LA (FEMA) (Carruth Road Bridge) TS, PP & FP** Provided topographic survey and Construction Engineering support for approach roadways and bridge span configuration/ developed structure type size and location recommendation and reviewed plan preparation for a multi span LG25 crossing bridge crossing of the Lateral and Comite Creek Relief structure north of Clinton, LA.
02/19 - 04/22	**East Feliciana Parish Project No. PW1190-DR 4277 LA (FEMA) (John Thomas Lane Bridge) TS, PP & FP** Provided topographic survey and Construction Engineering support for approach roadway and bridge span configuration/ reviewed plan preparation for a multi concrete slab crossing as a cost saving alternative to damaged timber bridge crossing of the Waterfall Bayou structure south of Clinton, LA.
02/23 - present	**West Feliciana Parish Project No. 16-HMP-PW-02 (FEMA) (Plettenberg Road Bridge) TS, PP & FP** Provided project final plan support, supplemental topographic survey/ designed detour geometrics along sharply curved alignment in/ assisted in development of ROW taking sketches /reviewed structure alternative span plan preparation for the Polly Creek crossing replacement structure in the seasonally flood prone areas from the Mississippi River batture north of St Francisville, LA.

16. Staff Experience:

Firm employed by LandSource, Inc.					
Name	David L. Patterson, P.L.S.			Years of relevant experience with this employer	29
Title	President			Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			Louisiana State University, B.S., 4 years, Construction Technology		
Active registration number / state / expiration date			04784 / LA / 03/31/2025		
Year registered	29	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Principal-in-Charge/Project Manager/Land Surveyor - Mr. Patterson has & will serve as Principal-in-Charge, Project Manager & Professional Land Surveyor on the projects listed below and the advertised project. He will oversee all project activities.		
2021	S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish. Responsibilities included topographic survey to replace one bridge. (2021)				
2021	S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2021)				
2020	S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish. Responsibilities included topographic survey to replace one bridge. (2020)				
2020	S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2020)				
2018	S.P. No. H.013122, Off-System Highway Bridge Program, Ouachita Parish. Responsibilities included topographic survey to replace two bridges. (2018)				
2018	S.P. No. H.013098, Off-System Highway Bridge Program, Vernon Parish. Responsibilities included topographic survey to replace one bridge. (2018)				
2014	S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish. Responsibilities included topographic survey to replace one bridge. (2014)				

16. Staff Experience:

Firm employed by LandSource, Inc.					
Name	Scott L. Patterson, P.L.S.			Years of relevant experience with this employer	12
Title	Project Manager			Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			Louisiana State University, B.S., 4 years, Construction Management		
Active registration number / state / expiration date			05246 / LA / 09/30/2025		
Year registered	3	Discipline	Professional Land Surveyor		
Contract role(s) / brief description of responsibilities			Project Manager		
2021	S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish. Responsibilities included topographic survey to replace one bridge. (2021)				
2021	S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2021)				
2020	S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish. Responsibilities included topographic survey to replace one bridge. (2020)				
2020	S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2020)				
2018	S.P. No. H.013122, Off-System Highway Bridge Program, Ouachita Parish. Responsibilities included topographic survey to replace two bridges. (2018)				
2018	S.P. No. H.013098, Off-System Highway Bridge Program, Vernon Parish. Responsibilities included topographic survey to replace one bridge. (2018)				
2014	S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish. Responsibilities included topographic survey to replace one bridge. (2014)				

16. Staff Experience:

Firm employed by LandSource, Inc.				
Name	Michael C. Pitre, CST		Years of relevant experience with this employer	24
Title	Field Coordinator		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization			T.H. Harris Technical College, Associate's Degree, 2 yr., Civil Engineering Technology	
Active registration number / state / expiration date			CST Level III Certified, LA License #1003-1863 / LA / 06/30/2025	
Year registered	22	Discipline	Survey Coordinator	
Contract role(s) / brief description of responsibilities			Survey Coordinator - Mr. Pitre has & will serve as Survey Coordinator on the projects listed below and the advertised project. He will coordinate survey crews and CADD personnel.	
2021	S.P. No. H.014318 Site 1, Off-System Highway Bridge Program, East Baton Rouge Parish. Responsibilities included topographic survey to replace one bridge. (2021)			
2021	S.P. No. H.014318 Site 2, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2021)			
2020	S.P. No. H.014223, Off-System Highway Bridge Program, Vermillion Parish. Responsibilities included topographic survey to replace one bridge. (2020)			
2020	S.P. No. H.014261, Off-System Highway Bridge Program, Rapides Parish. Responsibilities included topographic survey to replace two bridges. (2020)			
2018	S.P. No. H.013122, Off-System Highway Bridge Program, Ouachita Parish. Responsibilities included topographic survey to replace two bridges. (2018)			
2018	S.P. No. H.013098, Off-System Highway Bridge Program, Vernon Parish. Responsibilities included topographic survey to replace one bridge. (2018)			
2014	S.P. No. H.010626.5, Off-System Highway Bridge Program, Jefferson Parish. Responsibilities included topographic survey to replace one bridge. (2014)			

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	**Terracon Consultants, Inc.**				
Name	**Jim Baxter**		Years of relevant experience with this employer	**20**	
Title	**Senior Ecologist**		Years of relevant experience with other employer(s)	**2**	
Degree(s) / Years / Specialization			Master of Forest Resources, University of Georgia, 2002 Bachelor of Science, University of the South, Natural Resources, 2000		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	**CERTIFICATION**: Wetland Delineation, 2005		
Contract role(s) / brief description of responsibilities			Mr. Baxter meets the requirements of MPR #5 with 20 years of experience performing wetland delineations.		

Jim Baxter is a Senior Ecologist. Project duties include jurisdictional waters delineations, Section 404 permitting, threatened and endangered species habitat assessments and surveys, state waters guidance, stream buffer variance applications, guidance for mitigation banking, and Phase I Environmental Site Assessments (ESA). He is a lead reviewer for natural resource work, including wetland delineations, and oversees various ecological projects throughout the southeast. Jim was initially trained in wetland delineation field methods in 2005. He has since attended additional courses and training programs in wetlands and endangered species.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/24 – 06/24	**SP H.014985, Spring Bayou Road Over Spring Bayou Off System Bridge Wetland Delineation, Goudeau, LA, DOTD** Senior Project Reviewer. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation of .674-acre project site. Terracon recommended submitting a copy of the WOTUS Delineation report and applicable Jurisdictional Determination request form to the USACE District office for review and verification to obtain a Preliminary Jurisdictional Determination (PJD) Request in order to perform a replacement of the bridge.
03/24 – 05/24	**SP H.014991, E. State Street Over Corporation Canal Off System Bridge Wetland Delineation, Baton Rouge, LA, DOTD** Senior Project Reviewer. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain a Preliminary Jurisdictional Determination (PJD) Request.
01/24 – 03/24	**SP H.015012, Cleve Kennedy Road Over Morgan Branch Off System Bridge Wetland Delineation, Pine, LA, DOTD** Senior Project Reviewer. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation of 0.536-acre site within the project area of a proposed bridge replacement. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain an Approved Jurisdictional Determination (AJD) Request.
12/23 – 03/24	**SP H.014979, Airport Road Off System Bridge Wetland Delineation, Crowley, LA, DOTD** Senior Project Reviewer. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation on the .50-acre site. Terracon recommended consultation with the USACE to determine the appropriate Nationwide Permitting action and for a jurisdictional determination of the identified waters, and for potential permit issuance prior to initiating construction activities for this project.
02/22 – 04/22	**Plettenburg Bridge Off System Bridge Wetland Delineation, St. Francisville, LA** Senior Ecologist. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE to determine the appropriate Nationwide Permitting action and for a jurisdictional determination of the identified waters, and for potential permit issuance prior to initiating construction activities for this project.

16. Staff Experience:

Firm employed by	**Terracon Consultants, Inc.**				
Name	**Melissa Savoy**		Years of relevant experience with this employer	**16**	
Title	**Staff Scientist**		Years of relevant experience with other employer(s)	**0**	
Degree(s) / Years / Specialization			Master of Science, Environmental/Soil and Water Science, University of Florida, 2018 Bachelor of Science, Biology, Franciscan University, 2004		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	**CERTIFICATION**: Wetland Delineation, 2022		
Contract role(s) / brief description of responsibilities			Wetland Scientist		

Melissa Savoy is a staff scientist with a concentration in wetland consulting. She has conducted fieldwork associated with Desktop Constraints Analyses (DCAs) and Wetlands and Threatened/Endangered Species surveys and Habitat surveys. Although still classified as "Proposed Endangered," Melissa has experience identifying potential tricolored bat habitats during onsite surveys and advising clients of additional studies and agency coordination that may be needed if the status changes by the time construction begins. The range of this species includes most of Louisiana, so Terracon is ensuring clients are prepared. Melissa also has experience in conducting Field Delineation and preparing preliminary WOTUS Delineation Reports that included site characterization information, a discussion of applicable data, and recommendations for the site.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/24 – 06/24	**SP H.014985, Spring Bayou Road Over Spring Bayou Off System Bridge Wetland Delineation, Goudeau, LA, DOTD** Project Manager. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation of .674-acre project site. Terracon recommended submitting a copy of the WOTUS Delineation report and applicable Jurisdictional Determination request form to the USACE District office for review and verification to obtain a Preliminary Jurisdictional Determination (PJD) Request in order to perform a replacement of the bridge.
03/24 – 05/24	**SP H.014991, E. State Street Over Corporation Canal Off System Bridge Wetland Delineation, Baton Rouge, LA, DOTD** Project Manager. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain a Preliminary Jurisdictional Determination (PJD) Request.
01/24 – 03/24	**SP H.015012, Cleve Kennedy Road Over Morgan Branch Off System Bridge Wetland Delineation, Pine, LA, DOTD** Project Manager. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation of 0.536-acre site within the project area of a proposed bridge replacement. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain an Approved Jurisdictional Determination (AJD) Request.
12/23 – 03/24	**SP H.014979, Airport Road Off System Bridge Wetland Delineation, Crowley, LA, DOTD** Project Manager. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation on the .50-acre site. Terracon recommended consultation with the USACE to determine the appropriate Nationwide Permitting action and for a jurisdictional determination of the identified waters, and for potential permit issuance prior to initiating construction activities for this project.
05/22 – 06/22	**SP H.014270, Lefort Bypass Road Off System Bridge Wetland Delineation, Thibodaux, LA, DOTD** Project Manager. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE to determine the appropriate Nationwide Permitting action and for a jurisdictional determination of the identified waters, and for potential permit issuance prior to initiating construction activities for this project.

17. Firm Experience:

Firm name	**TriCoeur Services, L.L.C.**		Discipline(s)	**Bridge**	
Project name	**Martin Lane Over Drainage Canal**		Firm responsibility (prime or sub?)	Prime	
Project number	**State Project No. H015051**	Owner's name	**Louisiana DOTD**		
Project location	**Plaquemines Parish**		Owner's Project Manager	**Barbara Ostuno, PE**	
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, Barbara.Ostuno@LA.GOV**				
Services commenced by this firm (mm/yy)	05/23	Total consultant contract cost ($1,000's)		94.231	
Services completed by this firm (mm/yy)	08/25 (est)	Cost of consultant services provided by this firm ($1,000's)		94.231 (est)	

As Prime Consultant, conducted Project Kickoff meeting with the Parish, coordinated Environmental and Topographic survey efforts, prepared preliminary bridge replacement plans for this rural local roadway and hydraulic analyses of the drainage canal crossing (pumped drainage/polder system), designed horizontal and vertical geometrics for the approach roadway levee crossing and bridge span configuration with emphasis on providing safe travel while minimizing impact to adjacent residents. All current members of the TriCoeur OSB Team have been involved in this project and performed in Louisiana. All current members of the TriCoeur staff were involved in this project and 100% performed in Louisiana.

Firm name	**TriCoeur Services, L.L.C.**		Discipline(s)*	Bridge	
Project name	**Sligo Road Bridges**		Firm responsibility (prime or sub?)	Prime	
Project number	**S.P. No. H.010597.5**	Owner's name	**Louisiana DOTD**		
Project location	**West Feliciana Parish, LA**		Owner's Project Manager	**Barbara Ostuno, PE**	
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, Barbara.Ostuno@LA.GOV**				
Services commenced by this firm (mm/yy)	09/13	Total consultant contract cost ($1,000's)		155.948	
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)		155,948	

Prepared Preliminary and Final bridge replacement plans for rural local roadways/ designed horizontal and vertical geometrics along extremely hilly terrain for approach roadways and bridge span configuration/ developed structure type size and location recommendations/ prepared graphical grades/ ROW taking sketches and reviewed plan preparation for the skewed 12 span Quad Beam crossing of Bayou Sara and the 3 span crossing of Gayle's Creek. Site construction sequencing to maintain access to landowners between sites. All current members of the TriCoeur staff were involved in this project and 100% performed in Louisiana.

17. Firm Experience:

Firm name	**TriCoeur Services, L.L.C.**		Discipline(s)*	Bridge	
Project name	**Bud Road and Bonne Idee Road Bridges**		Firm responsibility (prime or sub?)	Prime	
Project number	**S.P. No. H.010040.5**	Owner's name	**Louisiana DOTD**		
Project location	**Morehouse Parish, LA**		Owner's Project Manager	**Barbara Ostuno, PE**	
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, Barbara.Ostuno@LA.GOV**				
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost ($1,000's)	116.113		
Services completed by this firm (mm/yy)	11/15	Cost of consultant services provided by this firm ($1,000's)	96.639		
Prepared Preliminary and Final bridge replacement plans for rural local roadways / ROW taking sketches for skewed /re-aligned/ curved and super-elevated slab span crossings. Prepared cantilevered sheetpile wall system design to minimize wetland encroachment. All current members of the TriCoeur staff were involved in this project and 100% performed in Louisiana.					

Firm name	**TriCoeur Services, L.L.C.**		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	**Pine Street over West Prong of Young's Bayou & Harrison – Collier Streets over Concrete Drainage Canal**		Firm responsibility (prime or sub?)	Prime	
Project number	**S.P. No. H013122.5**	Owner's name	**Louisiana DOTD**		
Project location	**Ouachita Parish, LA**		Owner's Project Manager	**Barbara Ostuno, PE**	
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, Barbara.Ostuno@LA.GOV**				
Services commenced by this firm (mm/yy)	12/18	Total consultant contract cost ($1,000's)	110.664		
Services completed by this firm (mm/yy)	05/21	Cost of consultant services provided by this firm ($1,000's)	102.996		
Prepared Preliminary bridge replacement plans for urban local roadways, determined and implemented practical application as desired by City Parish representatives of multiple RCB crossings in place of existing bridge structures along existing skewed alignments in FEMA floodways. All current members of the TriCoeur staff were involved in this project and 100% performed in Louisiana.					

Firm name	**TriCoeur Services, L.L.C.**		Past Performance Evaluation Discipline(s)*	Bridge	
Project name	**Jim Cryer Rd. over Bayou Anacoco**		Firm responsibility (prime or sub?)	Prime	
Project number	**S.P. No. H013098.5**	Owner's name	**Louisiana DOTD**		
Project location	**Vernon Parish, LA**		Owner's Project Manager	**Barbara Ostuno, PE**	
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, Barbara.Ostuno@LA.GOV**				
Services commenced by this firm (mm/yy)	11/18	Total consultant contract cost ($1,000's)	79.692		
Services completed by this firm (mm/yy)	10/22	Cost of consultant services provided by this firm ($1,000's)	42.778		
Prepared Preliminary bridge replacement plans for rural local roadway, determined and location recommendation/ reviewed plan preparation of a 5 span LG25 crossing along offset alignment to enabling Parish's request to maintain travelway during construction. Recommended (5) 48ft spans in lieu of (6) 40ft spans to improve debris passage and gain economics advantage by elimination of one intermediate bent. All current members of the TriCoeur staff were involved in this project and 100% performed in Louisiana.					

17. Firm Experience:

Firm	LandSource, Inc.		Discipline(s)	**Survey**
Project name	Headrick Road OSB		Firm responsibility (prime or sub?)	Sub
Project number	State Project No.	Owner's name	LA Dept. of Transportation & Development	
Project location	Rapides Parish		Owner's Project Manager	William C. Monroe
Owner's address, phone, email	11325 Pennywood Avenue, Baton Rouge, LA 70809; 225-293-1905; wcm@monroecorie.com			
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.)

The project's objective was to develop plans for the replacement of one (1) bridge in Rapides Parish, which was off the State Highway System. LandSource, Inc. was responsible for all the surveying, which included topographic, field and right-of-way surveys. All LandSource personnel listed on the prime's organizational chart were involved in this project & will be utilized in any future projects. 100% of the work was performed in Louisiana.

* 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.

Firm	LandSource, Inc.		Discipline(s)	**Survey**
Project name	Airport Road Near Bison Road		Firm responsibility (prime or sub?)	Sub
Project number	State Project No.	Owner's name	LA Dept. of Transportation & Development	
Project location	Acadia Parish		Owner's Project Manager	William C. Monroe
Owner's address, phone, email	11325 Pennywood Avenue, Baton Rouge, LA 70809; 225-293-1905; wcm@monroecorie.com			
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)		$3000.00

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

The project's objective was to develop plans for the replacement of one (1) bridge in Acadia Parish, which was off the State Highway System. LandSource, Inc. was responsible for all the surveying, which included topographic, field and right-of-way surveys. All LandSource personnel listed on the prime's organizational chart were involved in this project & will be utilized in any future projects. 100% of the work was performed in Louisiana.

* 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.

17. Firm Experience:

.

Firm name	**Terracon Consultants, Inc.**	Discipline(s)*	Environmental
Project name	**Plettenburg Bridge Off System Bridge Wetland Delineation**	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Louisiana Department of Transportation and Development
Project location	St. Francisville, West Feliciana Parish, Louisiana	Owner's Project Manager	
Owner's address, phone, email			
Services commenced by this firm (mm/yy)	02/22	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	04/22	Cost of consultant services provided by this firm ($1,000's)	$6,800

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

Terracon Consultants, Inc. (Terracon) was retained by TriCoeur Services, LLC (client) to perform a Waters of the U.S. (WOTUS) delineation on property located along Plettenberg Road in St. Francisville, West Feliciana Parish, Louisiana. The approximately 5.16-acre site primarily contains wooded land, with a tributary of Polly Creek bisecting it north to south. Terracon characterized the existing site conditions, observed the site for the presence of aquatic resources, including wetlands, and provided an opinion regarding whether or not aquatic resources (if observed) would be considered jurisdictional by the United States Army Corps of Engineers (USACE). Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain a Preliminary Jurisdictional Determination (PJD) Request.

Key Member: Jim Baxter

17.Firm Experience:

Firm name	**Terracon Consultants, Inc.**		Discipline(s)*	Environmental	
Project name	**E. State Street Over Corporation Canal Off System Bridge Wetland Delineation**			Firm responsibility (prime or sub?)	Sub
Project number	**SP H.014991**	Owner's name	Louisiana Department of Transportation and Development		
Project location	East Baton Rouge Parish		Owner's Project Manager	Noel Ardoin	
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA, 70802, 225-242-4201 Noel.Ardoin@la.gov				
Services commenced by this firm (mm/yy)	03/24	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)		$2,500	

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

Terracon Consultants, Inc. (Terracon) was subcontracted to perform wetlands delineations for the off-system bridge contract for LADOTD. The project site is located at East State Street over Corporation Canal, in Baton Rouge, East Baton Rouge Parish, Louisiana. Topographic maps, National Wetland Inventory maps, aerial photographs, soil data from the Natural Resources Conservation Service, as well as flood insurance maps were reviewed prior to conducting the field delineations as background research. This project involved a concrete lined canal rather than a natural stream, with no additional wetlands adjoining. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain a Preliminary Jurisdictional Determination (PJD) Request.

Key Members: Jim Baxter and Melissa Savoy

17. Firm Experience:

Firm name	**Terracon Consultants, Inc.**		Discipline(s)*	Environmental	
Project name	**Cleve Kennedy Road Over Morgan Branch Off System Bridge Wetland Delineation**			Firm responsibility (prime or sub?)	Sub
Project number	**SP H.015012**	Owner's name	Louisiana Department of Transportation and Development		
Project location	Washington Parish		Owner's Project Manager	Noel Ardoin	
Owner's address, phone, email	1201 Capital Access Road, Baton Rouge, LA, 70802, 225-242-4201 Noel.Ardoin@la.gov				
Services commenced by this firm (mm/yy)	05/24	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	06/24	Cost of consultant services provided by this firm ($1,000's)		$3,300	

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

Terracon Consultants, Inc. (Terracon) was subcontracted to perform wetlands delineations for the off-system bridge contract for LADOTD. Terracon prepared a Waters of the US (WOTUS) Delineation report based upon findings obtained during field delineation of the 0.536-acre site within the project area of a proposed bridge replacement located on Cleve Kennedy Road in Franklinton, Washington Parish, Louisiana. Topographic maps, National Wetland Inventory maps, aerial photographs, soil data from the Natural Resources Conservation Service, as well as flood insurance maps were reviewed prior to conducting the field delineations as background research. The area adjoining the creek was surveyed for possible wetlands using soil sampling and vegetation surveys, however no additional wetland areas (other than the creek itself) were identified. Terracon recommended consultation with the USACE for review and verification of the WOTUS Delineation to obtain an Approved Jurisdictional Determination (AJD) Request.

Key Members: Jim Baxter and Melissa Savoy

18. Approach and Methodology:

INTRODUCTION

The professional staff provided by the TriCoeur Services, L.L.C. (TriCoeur) team offer over **4 decades of LADOTD design experience including Off-System Bridge Replacement** (OSBR) experience with a proven record of project delivery for the OSBR program since our Firm's inception in 2010. Our Team has worked together providing topographic surveys, environmental / wetland delineations, and plan preparations for OSBR projects involving both standard plan and (frequent) non-standard structures while working to maintain close accord with current LADOTD procedures, design criteria, reference manuals, guidelines, and checklists.

TriCoeur's team is led by **Barry Gahagan, PE, PLS** with over 40 years of design experience primarily in service to LADOTD. Since TriCoeur's inception in 2010 Barry has served as project manager on **9 LADOTD bridge replacements, as well as 5 Parish bridge replacements in general conformance with OSBR** coordinating with other federal funding sources. **Barry's design and project management experience** includes both On and Off-System bridges ranging from very low volume rural to major arterial / Interstate interchange structures. TriCoeur's survey subconsultant LandSource is led by David Patterson, PLS with over **80 LADOTD bridge replacements.** TriCoeur's team includes **Terracon** who has a significant history of performing environmental (SOV, JD, & Wetland Delineation) services for LADOTD.

PROJECT UNDERSTANDING, SITE VISIT, & EXPECTED CHALLENGES

TriCoeur is familiar with the **Brian Rd Over Drainage Bayou** bridge site located in East Baton Rouge Parish. We are familiar with and prepared to address project challenges, including curved approach alignment, intersection turnout in the bridge approach, utility, and traffic maintenance and access concerns.

Structure is located approximately 3.3 miles north of LA 64 of Zachary, LA.

KICKOFF MEETINGS

Following the NTP, TriCoeur will meet with the OSBR Program Manager and staff to discuss the project, review the schedule, receive LADOTD field books, review any program guideline changes, invoice requirements, and establish communication protocols. Our project schedule will be based on critical path items with concurrent items being utilized to **expedite project delivery**.

TriCoeur will also meet onsite with **Parish** representatives prior to the start of topographic surveys consistent with the OSBR Guidelines. Additional items such as planned corridor improvements, hydraulics, structure preferences and corridor users will be discussed. Previous 5-years crash history will also be requested at this meeting. Meeting minutes for both meetings will be provided within 3 days of the meeting for review.

TOPOGRAPHIC SURVEY

TriCoeur's engineering staff will work closely with survey staff during this phase to ensure that all required data is collected, completed, and reported in accordance with LADOTD Off-System Bridge Guidelines.
GPS control will be established using at minimum four (4) control points set in concrete with digital levels run with horizontal and vertical closure verified by conventional methods. Initial field data including existing bridge limits, channel and roadway limits will be shared with Engineering to facilitate existing alignment geometrics enabling stabling and alignment stakeouts in advance of roadway cross sectioning.
Bridge sketches will be prepared, and the channel traverses shown on the field roll. Channel sections will be of appropriate location and number sufficient both for accurate digital terrain modelling and for hydraulic modelling/analysis.
Survey data will undergo thorough QC/QA with review by both the surveyor, party chief and engineering project manager for completeness and accuracy prior to review submittal.

PRELIMINARY PLAN PHASE DEVELOPMENT

50% STATUS & HYDRAULICS ANALYSIS

Hydrologic analysis will begin once site confirmation and channel / debris flow / design water surface / overtopping characteristics can be determined. Hydraulic analysis will follow with LADOTD authorization to proceed and in preparation of 50% Preliminary Plans.

-Design Criteria

TriCoeur will review the 5-year crash history of the site provided by the Parish to determine the roadway's performance. The roadway is a dead-end service primarily to boat camps. Alternative travel paths are apparent which may facilitate crossing closure for replacement construction. Traffic maintenance alternatives will be confirmed with Parish representatives at kickoff. Anticipated design criteria and LADOTD Design Report will be submitted for review and approval, guiding the remainder of plan development.

-Hydraulics & Scour Analysis

TriCoeur will begin the hydraulics and scour analysis by reviewing additional data including topographic maps, FEMA Firm maps, USGS Quadrangle maps and LiDAR to delineate the site's drainage characteristics. Peak discharges for this site are expected to based on coastal flowing conditions. Surface elevations will be generally developed using conventional software including LADOTD's HYDR1130 and HECRAS. Hydraulic design will be conducted in accordance with the LADOTD Hydraulics Manual; as applicable, with results reported; including the Hydraulic Data table. In this coastal site the bridge hydraulics are not anticipated to affect existing land use.

-Bridge Type Considerations

The bridge Type, Size and Location which will determine the appropriate bridge length, revetment slopes and hydraulic opening will be developed at the start of the hydraulics analysis. An RCB may be analyzed as a potential replacement structure option. If needed, TriCoeur's staff has the experience and design tools to perform non-standard bridge structure designs per LRFD methodology although none are anticipated for this site.

-50% Preliminary Plans

Once hydraulic analysis and reporting is complete, the remainder of the 50% PP will be developed including the roadway design horizontal and vertical geometry, guardrail, roadside drainage considerations, cross-sectional geometrics and transitions. The roadway will be modeled to determine the limits of construction. Plans will be developed in accordance with LADOTD plan preparation and OSBR Guidelines. Should Design Exceptions or Waivers be recommended, Draft forms will be submitted for DOTD and Parish consideration.

75% STATUS (PRE-PIH) & SOLICITATION OF VIEWS (SOV's)

Following the 50% Preliminary Plan review, TriCoeur will address all comments and will; unless otherwise directed, advance plans to a Pre-PIH review status. Should this project's scope clarity be confirmed at the 50% status this proceed to Plan in Hand without the submittal of Pre-PIH plans, aiding in project delivery. Upon approval of the replacement structure, TriCoeur and ELOS Environmental will prepare the Solicitation of Views (SOVs), receive LADOTD approval thereof and mail these to the recipient list provided by LADOTD Environmental Section. Responses will be logged and loops closed to all SOV responses.

95% STATUS (PLAN IN HAND)

Comments from the preceding review(s) will be addressed in the Plan in Hand submittal. The roadway model, typical sections, plan & profiles, general notes, general bridge plan, summary of estimated quantities, and construction signing will be developed from the previous plan submittal(s). No superelevation is anticipated for this tangent alignment. Standard Plan lists, cost estimate and the Constructability & Biddability Review form will be provided. TriCoeur will attend the Plan in Hand meeting onsite with LADOTD and Parish representatives. Meeting notes will be provided within one week of receipt of compiled participating stakeholder comments.

100% STATUS (POST PLAN-IN-HAND PRINTS)

Plan development will continue to progress as comments are addressed and major design elements are completed. Items discussed at the PIH meeting will be addressed and added to the plans per the PIH Meeting Memorandum.

-Environmental

The wetland delineation will be initiated upon authorization and will be conducted onsite. A wetland findings report prepared in accordance with US Army Corps of Engineers (USACE) guidelines. A Preliminary Jurisdictional Determination (PJD) will be requested from the USACE upon report completion. Permit sketches sized 8.5"x11" will be prepared to accompany the wetlands report, SOV packet, and Environmental Determination Checklist.

-R/W Sketches & Other Documents

TriCoeur will prepare the Right of Way Sketch per OSBR guidelines showing any required taking lines and anticipated parcels affected along with a draft of the R/W agreements. A draft utility conflict assessment will be provided to the Parish to aid in required utility relocations. In addition to the 100% Preliminary Plans, environmental package and R/W sketches, the Design Report forms will be finalized and sealed by TriCoeur's project manager. Checklists will be prepared and submitted. Pile length requests with all supporting documentation will be submitted at this stage for use by the geotechnical engineer.

FINAL PLAN DEVELOPMENT

60% FP STATUS (PRE-ADVANCED CHECK PRINTS)

Following the environmental approval and receipt of the Notice to Proceed for Final Plans, TriCoeur will promptly develop detailed plan sheets including embankment widening details, geometric layouts (if required), erosion control plans, quantity summary sheets, Pile Data & Bent Elevation, and concrete surface finish. All bridge structure and pile cutoff elevations will be finalized. Any special design superstructure or substructure bridge elements or special approach slabs will be fully detailed and placed on bridge sheets. Bridge railing, joint and bearing details will also be completed. Should nonstandard structure /component be required for the site, a draft of the bridge calculations and Load Resistance and Factor Rating (LRFR)will be prepared at this stage to ensure adequacy of reviews.

95% & 98% FP STATUS (ADVANCED CHECK PRINTS)

Comments from the Pre-ACP submittal will be reviewed with LADOTD and resolved/addressed. Additional details, notes or changes will be added to the plans and quantities will be completed. The ACP Plans will be provided to the Plan Quality Unit (PQU), if necessary. If necessary, an ACP review meeting will be held to ensure all comments are addressed. Upon resolution, 98% Final Plan plans will be prepared for review by the Chief Engineer and for use by General Files to prepare the proposal. TriCoeur will work with LADOTD staff to input pay items and quantities into AASHTOWARE and generate final cost estimates.

100% FP STATUS (TRACINGS)

TriCoeur will provide the 100% Final Plans (Tracings) as per OSBR Guidelines with the Title Sheet on Mylar for Chief Engineer signature. This submittal will be prepared once all comments are addressed from task managers, PQU and/ or the Chief Engineer. Parish granted Design Exceptions will be noted on the Title Sheet. A bound calculations book will be prepared and submitted with the original field books and an electronic copy of the Hydraulics Report.

QUALITY CONTROL AND QUALITY ASSURANCE (QC/QA)

Each submittal will be accompanied by LADOTD QC/QA certification forms. Design and plan comments, along with their resolutions will be documented in TriCoeur's Design Comment Review forms.

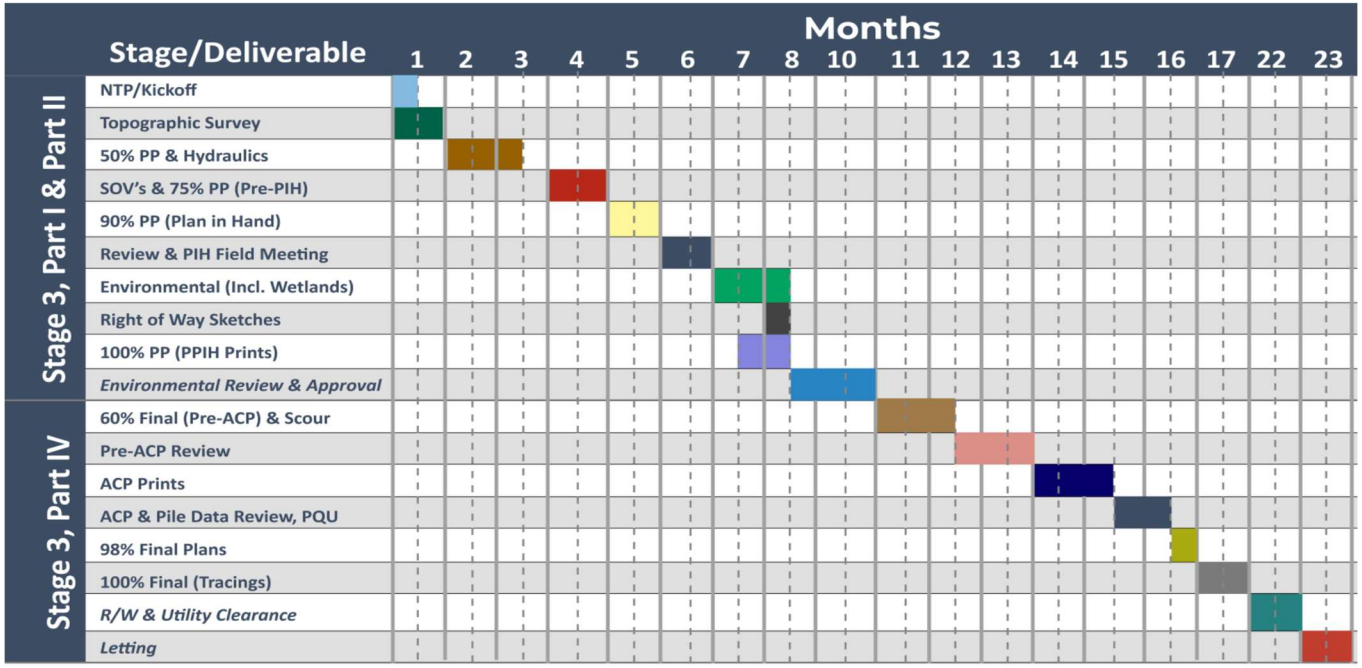
LETTING

TriCoeur will be available to assist LADOTD during letting including responses to Falcon questions.
Upon receiving the bid results and tabulations, TriCoeur can; upon request, provide additional information to LADOTD as needed regarding contract award, etc.

STAGE 5: CONSTRUCTION

TriCoeur's staff will be available to assist LADOTD with Construction Support (if necessary) including RFI responses, attending meetings, and reviews of shop drawings, design review of construction modifications, and other such contractor submittals.

PROPOSED PROJECT SCHEDULE



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) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
TriCoeur Services, L.L.C.	Bridge	4400025191/H.015051.5	Martin Lane over Drainage Canal	$17,320
TriCoeur Services, L.L.C.	Other (Value Engineering)	4400024148	IDIQ for Value Engineering Services	N/A
TriCoeur Services, L.L.C.	Other (Value Engineering)	4400027920	IDIQ for Value Engineering Services	N/A
TriCoeur Services, L.L.C.	Bridge	4400013405/H.013098.5	Vernon Parish	$27,776
TriCoeur Services, L.L.C.	Bridge	4400013386/H.013122.5	Ouachita Parish	$41,300
Landsource, Inc.	Survey	N/A		N/A
Terracon Consultants, Inc.	Geotech	4400019014 | H.002868	I-49 Frontage Road Bridges PDA	$138,717
Terracon Consultants, Inc.	Geotech	4400025027 | H.015442 –	IIJA Off System Bridge Program	$24,575
Terracon Consultants, Inc.	Geotech	4400025026 | H.015338	IIJA Off System Bridge Program	$20,775
Terracon Consultants, Inc.	Geotech	4400025023 | H.015335-	IIJA Off System Bridge Program	$118,340
Terracon Consultants, Inc.	Geotech	4400025024 | H.015518-	IIJA Off System Bridge Program	$171,105
Terracon Consultants, Inc.	Environmental	4400012893 (SA1) |	Lafayette Urban Section (I-49 Lafayette	$7,496
Terracon Consultants, Inc.	Geotech	4400006191 | H.005967	Nelson Road Extension and Bridge	$190,831
Terracon Consultants, Inc.	Geotech	4400019014 | H.012048.5	Caster Creek and Relief Bridges	$187,997
Terracon Consultants, Inc.	Geotech	4400019014 | H.012537.5	LA 154, LA157 – Red Chute BYU &	$22,262
Terracon Consultants, Inc.	Geotech	4400019014 | H.014984	Libuse Cutoff Road over Flagon Bayou	$26,000
Terracon Consultants, Inc.	Geotech	4400024651 | H.014988	Carey Road over Blackwater Bayou	$51,365
Terracon Consultants, Inc.	Environmental	| H.006338	Holton Harris Bridge over Vernon Lake	$6,5000
Terracon Consultants, Inc.	Geotech	4400024651 | H.014990	S. Tiger Bend Road & E. Achord Road	$67,614
Terracon Consultants, Inc.	Geotech	4400024651 | H.014988	Carey Road over Blackwater Bayou	$51,365
Terracon Consultants, Inc.	Geotech	4400024651 | H.002365	Clinton Bridges	$45,123
Terracon Consultants, Inc.	Geotech	4400027735 | H.014054	I-69 Frontage Road Caddo and Desoto	$825,158
			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**.

Landsource, Inc. - Traffic Control Technician registration

Judy Brousseau
Louisiana Associated General Contractors
666 North Street
Baton Rouge, LA 70802
p: 225-344-0432

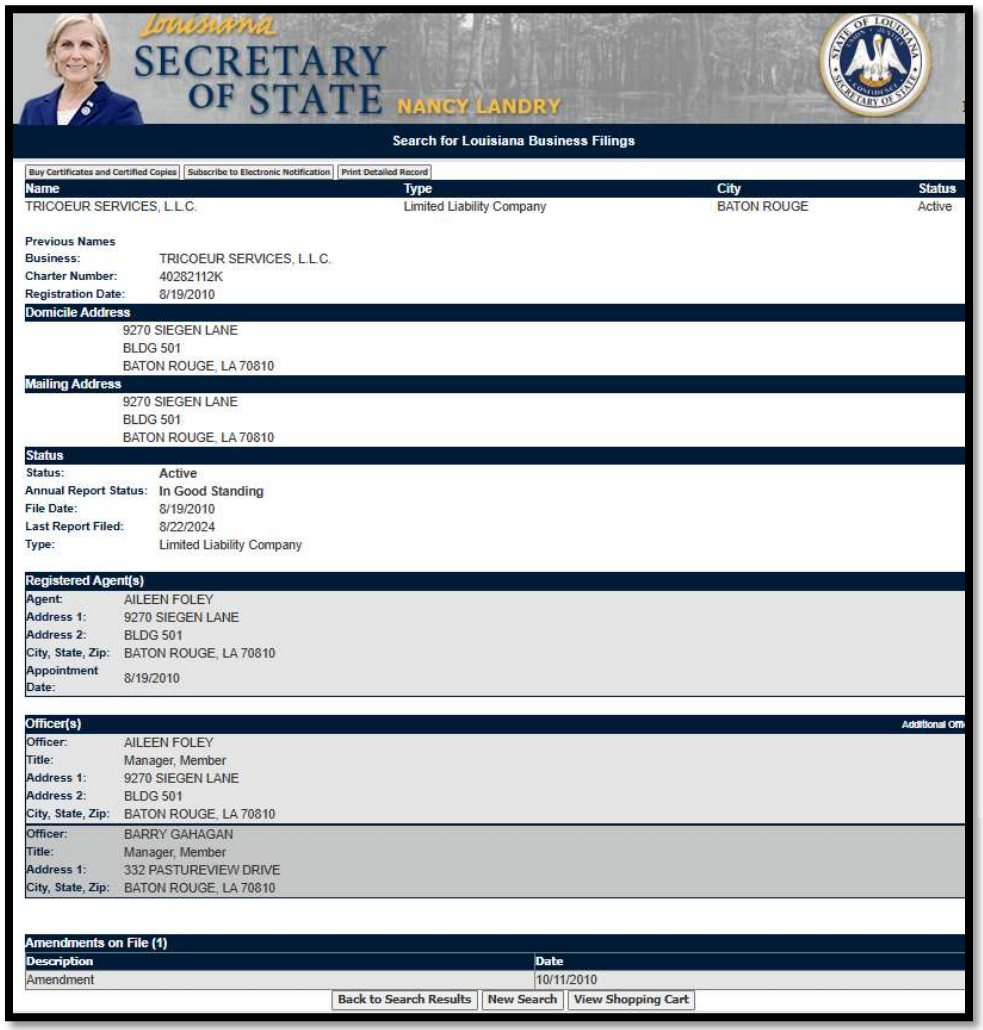
www.lagc.org

Invoice Number: 24594

EVENT ITEM	CONFIRMATION #	QUANTITY
Traffic Control Technician (includes 2 attendees)	22623	2

ATTENDEES	EVENT ITEMS
Melvin Hurst provost@landsource.com	Traffic Control Technician
Keith Hayes provost@landsource.com	Traffic Control Technician

Louisiana Secretary of State Registrations



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Name	Type	City	Status
TRICOEUR SERVICES, L.L.C.	Limited Liability Company	BATON ROUGE	Active

Previous Names
Business: TRICOEUR SERVICES, L.L.C.
Charter Number: 40282112K
Registration Date: 8/19/2010

Domicile Address
9270 SIEGEN LANE
BLDG 501
BATON ROUGE, LA 70810

Mailing Address
9270 SIEGEN LANE
BLDG 501
BATON ROUGE, LA 70810

Status
Status: Active
Annual Report Status: In Good Standing
File Date: 8/19/2010
Last Report Filed: 8/22/2024
Type: Limited Liability Company

Registered Agent(s)
Agent: AILEEN FOLEY
Address 1: 9270 SIEGEN LANE
Address 2: BLDG 501
City, State, Zip: BATON ROUGE, LA 70810
Appointment Date: 8/19/2010

Officer(s) Additional Offi

Officer: AILEEN FOLEY
Title: Manager, Member
Address 1: 9270 SIEGEN LANE
Address 2: BLDG 501
City, State, Zip: BATON ROUGE, LA 70810

Officer: BARRY GAHAGAN
Title: Manager, Member
Address 1: 332 PASTUREVIEW DRIVE
City, State, Zip: BATON ROUGE, LA 70810

Amendments on File (1)

Description	Date
Amendment	10/11/2010

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Name	Type	City	Status
TERRACON CONSULTANTS, INC.	Business Corporation (Non-Louisiana)	WILMINGTON	Active

Previous Names
Business: TERRACON CONSULTANTS, INC.
Charter Number: 35701137F
Registration Date: 5/7/2004

Domicile Address
251 LITTLE FALLS DRIVE
WILMINGTON, DE 19808

Mailing Address
10841 S RIDGEVIEW ROAD
OLATHE, KS 66061

Principal Business Office
10841 S RIDGEVIEW ROAD
OLATHE, KS 66061

Registered Office in Louisiana
450 LAUREL STREET, 8TH FLOOR
BATON ROUGE, LA 70801

Principal Business Establishment in Louisiana
2822 O'NEAL LANE
BLDG B
BATON ROUGE, LA 70816

Status
Status: Active
Annual Report Status: In Good Standing
Qualified: 5/7/2004
Last Report Filed: 4/10/2024
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)
Agent: CORPORATION SERVICE COMPANY
Address 1: 450 LAUREL STREET, 8TH FLOOR
City, State, Zip: BATON ROUGE, LA 70801
Appointment Date: 7/27/2009

Louisiana SECRETARY OF STATE NANCY LANDRY

Search for Louisiana Business Filings

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Name	Type	City	Status
LANDSOURCE, INC.	Business Corporation	BATON ROUGE	Active

Previous Names

Business: LANDSOURCE, INC.
Charter Number: 34514462D
Registration Date: 12/29/1995

Domicile Address

6730 EXCHEQUER DR.
BATON ROUGE, LA 70809

Mailing Address

C/O DAVID L. PATTERSON
6730 EXCHEQUER DR.
BATON ROUGE, LA 70809

Principal Office Address

6730 EXCHEQUER DR.
BATON ROUGE, LA 70809

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 12/29/1995
Last Report Filed: 12/4/2024
Type: Business Corporation

Registered Agent(s)

Agent: DAVID L. PATTERSON
Address 1: 6730 EXCHEQUER DR.
City, State, Zip: BATON ROUGE, LA 70809
Appointment Date: 12/17/2003

Officer(s) Additional Offi

Officer: SANDRA WILEY
Title: Treasurer
Address 1: 6730 EXCHEQUER DR.
City, State, Zip: BATON ROUGE, LA 70809

Officer: SUSAN B. PATTERSON
Title: Secretary, Director
Address 1: 6730 EXCHEQUER DR.
City, State, Zip: BATON ROUGE, LA 70809

Officer: DAVID L. PATTERSON
Title: Director, President
Address 1: 6730 EXCHEQUER DR.
City, State, Zip: BATON ROUGE, LA 70809

Amendments on File (6)

Description	Date
Domicile, Agent Change or Resign of Agent	4/5/1999
Domicile, Agent Change or Resign of Agent	5/20/1999
Disclosure of Ownership	12/28/1999
Domicile, Agent Change or Resign of Agent	3/12/2002
Domicile, Agent Change or Resign of Agent	1/29/2003
Appointing, Change, or Resign of Officer	2/23/2005

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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**.

Quality Control / Quality Assurance Plan

Federal Aid Off System Bridge Program

Project Identification

State Project No.:	**H.015976.5 (OSBR)**
Federal Aid Project No.:	**H0015976**
Project Title:	**OFF-SYSTEM HIGHWAY BRIDGE PROGRAM EAST BATON ROUGE PARISH**
Project Name:	**BRIAN RD RD OVER DRAINAGE BAYOU**

Declaration:

TriCoeur Services, L.L.C. and its design team shall maintain and follow active Quality Control / Quality Assurance procedures in conformance with the no less than the minimum requirements set in the "Guidance on QC/QA in Bridge Design in Response to NTSB Recommendations (H-08-17)" (FHWA/AASHTO Guidance), which was published by FHWA and AASHTO in August 2011, and LADOTD Bridge Design Section QC/QA policies for the duration of this project.

Signature of Official:  Date: **4/9/2025**

Supervisor

Project Modules/Components & Assignments

Module - Component Description	Project Manager/ Supervisor / Team leader	Professional of Record (P.O.R.)	Checker	Reviewer
Stage 3, Part Ia	B Gahagan, PE, PLS			
- Topographic Survey		D Patterson, PLS (Landsource)	S Patterson, PLS (Landsource)	M Pitre (Landsource)
Stage 3, Part III:	B Gahagan, PE, PLS			
- Preliminary Plans		B Gahagan, PE, PLS	N Lowe, EI	B Gahagan, PE, PLS
- Hydraulic & Hydrologic		B Gahagan, PE, PLS	N Lowe, EI	B Gahagan, PE, PLS
Environmental	C Schaeffer (ECS)			
- Solicitation of Views & Categorical Exclusion		J Baxter (Terracon)	M Savoy (Terracon)	J Baxter (Terracon)
- Wetland Studies		J Baxter (Terracon)	M Savoy (Terracon)	J Baxter (Terracon)
- Environmental Clearance		J Baxter (Terracon)	M Savoy (Terracon)	J Baxter (Terracon)
R/W Sketches	B Gahagan, PE, PLS			
- Right of Way Agreement / Sketch		B Gahagan, PE, PLS	N Lowe, EI	B Gahagan, PE, PLS
Stage 3, Part IV	B Gahagan, PE, PLS			
- Final Plans		B Gahagan, PE, PLS	N Lowe, EI	B Gahagan, PE, PLS

QC procedures shall assure:

1) A supervisor or team leader is responsible for determining the necessary technical knowledge and experience of the designer/checker for that specific design; Designers & checkers are assigned to bridge projects by matching experience to project complexity.

2) All bridge plan sheets shall include the names or initials and dates of the appropriate designer and checker, and may include their signatures. Including the names or initials of the drafter and reviewer where appropriate. Sealing of the bridge plans by the engineer in responsible charge of the work will follow state requirements.

3) All relevant special provisions shall be identified by the appropriate author in responsible charge. Sealing of special provisions will conform with State requirements.

4) Design calculations, check calculations, hydraulic and geotechnical reports, review comments/resolutions and related documents as discussed (above) shall be retained in the permanent bridge design file with QC checklist, and cost estimates if prepared in the design file.

5) A documented program which details the procedures, standards, and policies to be used in the oversight of bridge design.

QA procedures shall include:

1) Independent check of design calculations with depth and extent of this review commensurate with design feature size, complexity, and level of risk.
2) Participation in field engineering reviews during design, and when requested, during construction and in-service.

Design Criteria:

1) Louisiana Department of Transportation and Development - Off System Highway Bridge Program Guidelines – Latest Edition
2) Reference Project Advertisement (Pg 5) Dated (December 2024)

Design Checklists:

Louisiana Department of Transportation and Development - Off System Highway Bridge Program Guidelines – Latest Edition

1) Topographic Survey Checklist
2) Plan-in-Hand checklist
3) Design Report
4) Constructability/Biddability checklist

PLAN / CONSTRUCTABILITY / BIDDABILITY REVIEW

(ADOPTED FROM LADOTD WITH MODIFICATIONS)

Purpose:

- To provide information to assist in producing quality plans.
- To provide a history of information that is easily accessible.
- To provide questions to stimulate discussion of potentially problematic areas.
- To provide questions to stimulate checking details and items required to complete the project.
- To provide aid during design for QA/QC
- To provide primary discussion for the plan-in-hand meeting

Instructions for completing the form

- The Design Review portion of the form shall be filled out by the designer during design and prior to PIH submittals.
- The form may be filled out by any district person (ADA, Area Engineer, Lab Engineer, etc.) but the Project Engineer must sign the signature sheet that he concurs with the comments. It is encouraged that the Area Engineer and the Project Engineer both review the plans.
- The Project Engineer and any District personnel designated by the Project Engineer are responsible for reviewing the plans and filling out the review form. The Project Engineer and all reviewers must sign the signature sheet at the back of the form. The Area Engineer is also encouraged to review the plans.
- If answer to the question is in blue box (or lightly shaded if in black and white), a comment is **NOT** required.
- Most questions are designed that a “NO” answer will require comments on what is missing or needed.
- Most questions are designed that a “YES” answer means the plans meet the project needs or a follow up question is required.
- Comments should be shown by reference number on notes page for easy reference. (Example III-2)
- Constructability and Plan-in-Hand questions shall be answered prior to the Plan-in-Hand. The plans should provide enough detail to construct the work required.
- ACP and PS&E / Biddability submittal shall have copies of the completed PIH review attached. If missing contact the Project Manager for a copy. The plans and specifications should provide the details and pay items to bid the project.
- Project Managers are required to respond to all comments and copy all reviewers.
- Each review is considered complete when all comments are addressed
- If question is answered N/A, question is not applicable to project.
- 95% Final Plan reviews (ACP) shall have the completed 95% Preliminary Plan (PIH) review attached. It may be helpful to reference the PIH plan set during the ACP review.
- Comments may be required for certain checklist items. Comments are to be written at the back of the form along with reference numbers for the plan section and checklist item number.

Project managers shall collect all review forms, insert responses to any comments, and copy all reviewers.

APPLICABLE SECTION FOR REVIEW

State Project No. H.015976.5 Route No. N/A **P/H –Constructability** ✓☐

(95% Prelim)

F.A.P. No. H0015976 Parish EAST BATON ROUGE **Advance Check Print** ☐

(95% Final)

Project Name: BRIAN RD OVER DRAINAGE BAYOU

Yes	N/A	#	Description
☒	☐	I.	**TYPICAL SECTION SHEETS**
☒	☐	II.	**SUMMARY SHEETS**
☒	☐	III.	**PLAN-AND-PROFILE SHEETS**
☒	☐	IV.	**DRAINAGE INFORMATION**
☐	☒	V.	**SIGNAL PLANS**
☒	☐	VI.	**GEOMETRIC DETAILS**
☒	☐	VII.	**SEQUENCE OF CONSTRUCTION & CONSTRUCTION SIGNING**
☒	☐	VIII.	**GENERAL**
☒	☐	IX.	**UTILITIES**
☒	☐	X.	**STRUCTURES - BRIDGE**

PLAN-IN-HAND INSPECTION REPORT

&

CONSTRUCTABILITY / BIDDABILITY REVIEW

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
I. TYPICAL SECTION SHEETS										
1. Has District been consulted on the pavement type?										
2. Is District in agreement with the typical section?										
3. Are project limits covered by typical sections?										
4. Are superelevation diagrams and tables provided?										
4a. If yes, Is the design speed noted on the diagram?										
5. Does the typical section fit within existing and/or proposed right-of-way? (Check cross sections)										
6. Will the typical section drain water from the base course?										
6a.If yes, is there a method/detail to drain and required items?										
7. Is a subgrade layer required?										
7a. If yes, what types are applicable? (List Types)										
7b. If no, Is lime treatment provided in the plans?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
8. Are all measurements, thicknesses, and slope rates labeled and accurately indicate what is to be constructed?										
9. Is the minimum ditch elevation dimension shown on the typical section?										
II. SUMMARY SHEETS										
1. Will existing ditch cleaning be required?										
1a. If yes, are there limits and pay items?										
2. Are there sufficient removal items for the types of pavement/structures being removed?										
3. Is method of payment for earthwork design addressed (e.g. “temporary” borrow, “additional excess”, detour material, embankment, etc.)?										
4. Have sufficient temporary erosion control items been included?										
5. Are construction entrances required?										
5a. If yes, are the number and section shown?										
6. Is method of payment for removal of pavement satisfactory?										
7. Is traffic maintenance aggregate required?										
7a. If yes, how much?										
8. Is there a summary of drainage structure sheet provided?										
8a. If yes, are items adequately covered?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
8b. If no, is one required? Why?										
9. Are work elements identified clearly with all corresponding pay items included with adequate quantities to construct project? (i.e. summary tables)										
10. Is there any work under this project designated as "no direct pay"?										
10a. If yes, is this work clearly linked to a specific pay item that can be quantified in the contractor's bid item list?										
11. Are permanent erosion and pollution control items included?										
III. PLAN-AND-PROFILE SHEETS										
1. Is adequate right-of-way provided for relocation of utilities?										
2. Is there space between the R/W line and drainage structure to allow for utility relocation?										
3. Are right-of-way and property line dimensions shown on plans?										
4. Will any right-of-entry agreements be required?										
4a. If yes, is this satisfactory?										
4b. If yes, who will secure it?										
5. Does existing horizontal or vertical clearance allow for construction?										
6. Are all the utility owners with contact numbers listed?										
7. Are the existing utility locations marked in the plans?										
8. Are the utility conflict boxes and their location noted on the plans?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
9. Will overlay affect the intersection, gutters, or curbs drainage?										
9a. If yes, are adjustments required?										
10. Are retaining walls required?										
10a. If yes, are details provided for the walls?										
11. Are all oil or gas wells on the project shown on the plans?										
12. Are encroachments on the right-of-way being addressed?										
13. Are existing improvements within 50' of required right-of-way shown on the plans?										
14. Is there any potential hazardous waste site / UST?										
15. Have construction or drainage servitudes been shown?										
16. Are the limits of clearing, grubbing, and landscaping shown?										
17. Can any significant tree be allowed to remain?										
17a. If yes are those to remain been identified?										
18. Are there apparent conflicts between plans and specifications?										
19. Are the benchmark data, required elevations, and curve data on the plans?										
20. Does location of the grade shown on the typical section (sub grade or finished) match grade shown in profile? (Check for label)										
21. Are vertical and horizontal limits of removal clear?										
21a. If yes, are the depths of embedment required excavation shown.										
21b. If yes, are details of removable item required?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
22. Have arrangements been made for relocation of hydrants by utility agreement?										
23. Do general site conditions conform to those represented in plans?										
24. Is existing topography accurate and up-to-date?										
25. Does profile fit the terrain?										
IV. DRAINAGE INFORMATION										
1. If subsurface drainage is being used, is there any evidence of effluent sewerage entering existing roadside ditches?										
1a. If yes, what is the plan of action										
2. Is adequate outfall information shown?										
3. Has sufficient drainage excavation and/or cleaning of outfall lateral required for adequate drainage been shown?										
3a. If yes, who is cleaning laterals (City, Parish)?										
4. Will cleaning be required for existing drainage structures?										
4a. If yes, are pay items included?										
5. Will special ditch protection items be required?										
5a. If yes, identify type										
6. Have existing drainage patterns, their continuity, and high water indications been identified?										
7. Are ditches compatible with existing and proposed drainage structures?										
8. Is design drainage elevations shown in the plan compatible with the existing conditions?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
9. Is there a provision for temporary drainage?										
10. Is water being trapped on the lanes on travel lanes which are to be maintained during construction?										
11. Is there a method to connect new and existing drainage facilities?										
12. Is a second profile sheet required for right and left of centerline?										
V. SIGNAL PLANS – Not Anticipated for this Project (Review with Traffic Engineer)										
1. Are pole locations in conflict with utilities or drainage structures?										
2. Are a controller, signal head, pull box, and pedestrian poles required?										
3. Is the existing controller compatible to added items?										
4. Are overhead power lines in conflict with span wire?										
5. Will fiberglass insulators be required or relocated?										
6. Are signs attached to the overhead span wire for the existing traffic signal?										
7. Is the disposition of existing signal poles and signal equipment identified?										
8. Is the sidewalk being obstructed by signal equipment access?										
9. Does the foundation match requirements for span lengths/mast arms?										
9a. If yes, are details provided?										
10. Are street name signs included on mast arms?										
10a. If yes, are details provided?										
11. Are communication cables overhead?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
11a. If yes, will they fit with overhead electric?										
12. Do loop detectors exist?										
12a. If yes will existing loop detectors be destroyed by construction?										
12b. If loop detectors are being replaced, are all pay items included (i.e. conduit, junction boxes, conduit, etc.)?										
12c. Will cameras be added?										
13. Is jacking and boring required?										
14. Is open trenching required?										
15. Is right-of-way adequate for signal equipment? (e.g. for signal and lighting foundations, utility relocations, construction easements, adequate work space, desirable clear zone, etc.)										
16. Are temporary traffic signals required?										
16a. If yes, who will be responsible?										
VI. GEOMETRIC DETAILS										
1. Have all areas where improvements can be made to alignment been addressed?										
2. Are sight distances adequate at intersections? (r/w flares, obstructions, etc.)										
3. Is the required information shown on the geometric sheets (e.g. curve data, sight distance, vertical datum, centerline, etc.)										
4. Is existing access being denied due to inadequate sight distance?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
VII. SEQUENCE OF CONSTRUCTION & CONSTRUCTION SIGNING										
1. Is through traffic to be maintained?										
1a. If no, is a detour provided?										
2. If local traffic only, are sufficient details and items provided for school buses, mail carriers, emergency vehicles, or other local traffic to be maintained.										
3. Is temporary sheeting required to maintain existing/required travel lanes?										
3a. If yes, are specifications and details provided?										
3b. If yes, is method of payment satisfactory?										
4. Are there conflicts between new and existing roadway used to maintain traffic?										
5. Are traffic control plans for the bridge coordinated with roadwork phasing?										
6. Can utility crossings be resolved via scheduling restrictions (i.e. weekends, after hours) or temporary structures?										
7. Do utilities conflict with required special construction sequencing?										
8. Are traffic operations requirements properly addressed? (i.e., signing, pavement markings signal, etc.)										
9. Are lanes on which traffic is to be maintained compatible to local conditions?										
10. Is there sufficient clearance within the work zone for the operations (such as crane swing room)?										
11. Are there adequate accommodations for intersecting and crossing traffic?										
12. Have pedestrian and bicycle accommodations been addressed?										
13. Has a method of containing bridge slopes during phased construction (at end bent) and approach grade separation been identified?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
14. Have restrictions (e.g. lane closure, general construction or peak-hour restrictions in urban areas) been identified?										
15. Are there notes covering pay for traffic control items?										
16. Is the Traffic Control Plan clear, complete, and approved?										
17. Are items for temporary safety devices, requirements and provision (i.e. guardrail, attenuators, barrier rails, etc.)?										
18. Have the traffic control signs, warning devices and barricades been located?										
-Scheduling & Construction Phasing										
1. Is scheduling and phasing coordinated with activity needs? (Schools, festivals, harvesting, parallel routes, etc.)										
2. Will staging areas be provided to contractors that will accommodate the sequence of work and work areas?										
3. Is the type and limits of fence for temporary construction servitude identified?										
4. Have requirements for local/state/federal special permits been addressed?										
5. Is existing access being denied by obstacles (walls, guard rails, etc.) or grade differentials to adjacent property?										
6. Is safe pedestrian access and access to business and residences provided?										
-Detours										
1. Is detour facility clearly depicted?										
2. Do the detour limits conflict with roadway improvements?										
3. Is method of payment for detour satisfactory?										
4. Can detours be built with grade change between new and existing roadways?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
5. Is traffic addressed on side streets?										
6. Is night work required?										
6a. If yes, are hours and/or restrictions shown?										
VIII. GENERAL										
1. Are appropriate general notes and special provisions required for construction provided?										
2. Is there adequate construction access for demolition?										
3. Are there adequate provisions if signs or road markers are to be removed?										
4. Are contamination sites delineated?										
5. If there is a contamination site, have utility relocations been addressed?										
6. Does the Corp permit require work not shown on plans?										
7. Have environmental safeguards or dust control, erosion, and disposal of wastes been addressed?										
8. Are there provisions for noise abatement (e.g. permanent noise walls)?										
9. Do conflicts exist between landscaping and planting requirements with utilities (e.g. irrigation lines) and billboards?										
10. Is there sufficient space (25'-30') for power mowers between additional trees that are planted?										
11. Is there an erosion control plan provided? (to be provided in Final Plans)										
12. Where pile driving is to be encountered near existing structures, should pre-existing conditional survey (video/pictures) be performed on the existing structures?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
12a. If yes, are items provided?										
13. Did you create any S-item wording?										
IX. UTILITIES										
1. Will there be disruptions of utilities and provisions for restoration?										
2. If utilities are outside of limits of construction but within the r/w, have all parties (including utility owners) agreed to allow them to remain in-place?										
3. Has responsible party for utility relocation been identified with provisions?										
4. Are there overhead utilities, guy wires, etc. in potential conflict with operations and access of large equipment?										
5. Are there gas lines above other utilities?										
6. Are there conflicts between gravity and force sewer mains and construction?										
6a. If yes for force main, is there a utility agreement for relocation?										
6b. If yes for gravity sewer, are plans included for relocation of sewer?										
7. Are there utility conflicts with drainage?										
8. If project is preceded by clearing and grubbing contract, have utilities been relocated?										
9. If there are pipelines, are they shown in the profile?										
10. If there is a need for a specified utility corridor?										
10a. If yes, is it shown?										
11. Should an integrated utility relocation plan (scheduling and final location of utilities) be included in the construction plans?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
11a. If yes, is the integrated utility relocation plan included in the construction plans?										
X. STRUCTURES										
GENERAL NOTES, INDEX, AND BRIDGE SUMMARY OF QUANTITIES										
-GENERAL NOTES & INDEX										
1. Is information complete, accurate, clear and free from multiple interpretations?										
2. Have all environmental commitments been identified?										
3. Has the disposition of salvageable materials been addressed?										
4. Are utility permit requests addressed?										
-BRIDGE SUMMARY OF QUANTITIES										
1. Are all necessary items shown and properly footnoted?										
2. Are all quantities and units adequately shown?										
3. Have all items been brought forward properly to the Master Summary of Quantities?										
4. If the project is composed of multiple project numbers or funding sources have the quantities been subdivided?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
5. Have all non FHWA participating items been identified?										
-GENERAL BRIDGE PLANS										
1. Are all geometric controls shown and consistent with other sheets?										
2. Does each plan sheet provide a clear layout and configuration of the intended structure (matchlines, span/bent numbering, joint types, etc.)?										
3. Does the roadway and bridge interface agree?										
4. Has all guard rail installation information been shown?										
5. Are vertical clearances shown (navigable waterways, roads under bridge, etc.)?										
6. Is deck drainage type specified (drain holes, barrier slots, etc)?										
-HYDRAULIC DATA										
1. Is the hydraulic table shown?										
2. If river gauges are present, has the removal and disposition of these gauges been addressed?										
3. Has predicted scour, scour protection and abutment protection been adequately addressed?										
4. Have design water surface elevations been shown?										
5. Do all water surface elevations reference the project survey datum?										
6. Have any channel changes been addressed in the plans?										
-GEOTECHNICAL INFORMATION (If not addressed on foundation plan)										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
1. Have all borings, CPT, test piles, and settlement plates been shown on the plans?										
2. Has all temporary shoring for phased construction been covered adequately?										
3. Is Pile Batter indicated (if not shown on bent details)?										
CONSTRUCTION CONFLICTS										
1. Is the existing structure shown?										
2. Are all utilities to remain shown?										
-SUPERELEVATION DIAGRAMS (Superelevation implementation plans should always be included when superelevation transition occurs on the bridge. The bridge superelevation will control the design.)										
1. Is the superelevation implementation plan clear and concise?										
2. Is the transition from roadway to bridge clearly conveyed?										
-FOUNDATION PLAN (A foundation plan may be used when geometry is complex, additional information is required for layout of foundation or conflicts with foundation construction need to be identified)										
1. Has all temporary shoring for any phased construction been covered adequately?										
2. Are all conflicts identified in the plans?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
3. Are all utilities to remain shown?										
4. Is the pile batter shown (if not shown elsewhere)?										
5. Have all overhead or underground obstructions or conflicts that may impede pile driving operations been addressed?										
6. Will pile driving interfere with maintenance of traffic?										
7. Will a pre / post construction site survey for such structures be needed?										
8. Are there any residences, businesses, or facilities (including instrumentation) in the area that may be affected by the noise and vibration from the pile driving operations or construction activities?										
9. Will vibration monitoring be needed?										
-SUBSTRUCTURE										
1. Does reinforcement location allow for proper placement of concrete? (Special attention should be given to splice locations)										
2. Are any special details required for superstructure anchorage?										
-SUPERSTRUCTURE / APPROACH SPANS AND MAIN SPAN DETAILS										
1. Are details adequate for layout of deck reinforcement?										
2. Are any special details required for special areas of the deck?										
3. Are deck joint details shown?										
4. Are drains removed over railroads, roadways, and revetments?										
5. Are girder connection details shown?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
6. Is adequate information provided for the fabrication of girders, cross frames, and diaphragms?										
7. Has the pouring sequence been specified?										
-APPROACH SLABS										
1. Are the drainage details for the approach slab adequately shown?										
-NAVIGABLE WATERWAYS (Not anticipated for this Project)										
1. Are details for clearance gauges shown?										
2. Are details for navigation lighting provided?										
3. Has pier protection been addressed?										
-MOVABLE BRIDGES (Not for this Project)										
1. Are all required Special Details included (End Drains, fencing, etc.) ?										
2. Has operator's house been located?										
3. Has adequate parking and access been provided for operators house?										
-As-Builts										
1. Are As-built drawings required for this project?										
2. Would As-built drawings be helpful for bidding and/or construction?										
3. Are As-built drawings included with these plans?										
-Permitting Issues										
1. Are utility permit requests adequately addressed?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
2. Are there any special requirements that need to be addressed in the plans for the construction of a bridge over a navigable water way or roadway? (These requirements may be related to agreements with the USCG, COE or for purposes of maintenance of traffic)										
3. Are there any access issues that may affect the contractors' construction of the bridge or demolition of the existing bridge that have not been addressed in the plans?										
4. Is the water depth at the site of sufficient depth to float barges?										
5. Will barges obstruct navigation?										
6. Are all environmental commitments being met by the proposed construction methods? (These commitments should be noted in the General Notes section of the plans)										
7. Has the removal of the existing bridge been adequately coordinated with the permitting agencies and any special requirements covered in the plans?										
-Construction Site Access										
1. Are there any access issues the contractor may have for the delivery of materials to the project site? (Posted bridges)										
2. Are there any driveways or property entrances that will have to be maintained during construction, relocated and / or reconstructed?										
3. Will any work bridges or haul roads be required for the construction of the bridge?										
4. Is there sufficient right of way to construct the bridge structures?										
5. Are there any other construction related issues that will affect the constructability of the project that needs to be accounted for in the construction estimate?										
6. Are there any utilities supported on the structure that need to be addressed in the plans?										

Description	Design Review/ Comments			Construction						
				Plan-in-Hand Constructability			ACP		PS&E Biddability	
✔	N/A	Yes	No	N/A	Yes	No	Yes	No	Yes	No
-Maintenance of Traffic										
1. For navigational traffic, have channel alignment and clearance issues been addressed?										
2. If the project is to be constructed utilizing phased construction, will the construction scheme facilitate maintenance of traffic?										
-General Constructability and Biddability										
1. Are there adequate staging areas for the contractor?										
2. Are all required work items covered under proper pay items?										
3. Have quantities for phase construction been broken out on the individual sheets to facilitate payment during construction?										
4. Has uniformity of formwork been adequately considered in all of the bridge elements?										
K. SPECIAL PROVISIONS (95% Final Plan Review)										
1. Is asbestos or creosote timber being removed?										
(a). Are special instructions and disposal defined?										
(b). Has entity to handle been identified?										
2. Is the contract type and time period sufficient?										
3. Is there a treatment for the removed steel if it has red lead?										

Plan-in-hand inspection report prepared by	Date
Project Engineer	Date
ACP review by	Date
Project Engineer	Date
Constructability / Biddability review by	Date
Project Engineer	Date

NOTES PAGE

Item No	Comment	Response

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.

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**
LandSource, Inc.	6730 Exchequer Drive, Baton Rouge, LA 70809	David L. Patterson, P.L.S.	225-752-0995
Terracon Consultants, Inc.	2822 O'Neal Lane, Building B Baton Rouge, LA 70816	D'Juana Beason Djuana.beason@terracon.com	225-344-6053 225-614-0404 (mobile)

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**.

Not applicable.