DOTD FORM: 24-102

(Revised March 1, 2022)

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.

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

1. Contract title as shown in the advertisement	Off System Highway Bridge Program Spring Bayou Road Over Spring Bayou
2. Contract number(s) as shown in the advertisement	4400024612
3. State Project Number(s), if shown in the advertisement	H.014985.5
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**TriCoeur Services, L.L.C.**
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, Suite 501, Baton Rouge, LA 70810
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	9270 Siegen Lane, Suite 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.	Signature (shall be the same person as #9):  Date: August 4, 2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): N/A Firm(s)' %:

12. Past Performance Evaluation Discipline Table:

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

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf.

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percentage of the contract.

Evaluation Disciplines	% of Overall Contract	Prime **TriCoeur Services, LLC**	Firm B **Civil Design & Construction, Inc.**	Firm C **ELOS Environmental Services, LLC**		Each Discipline must total to 100%
Survey	28.1%	10%	90%	0%		100%
Bridge	63.3%	100%	0%	0%		100%
Environmental	8.6%	4%	0%	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 (xxxx)" 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

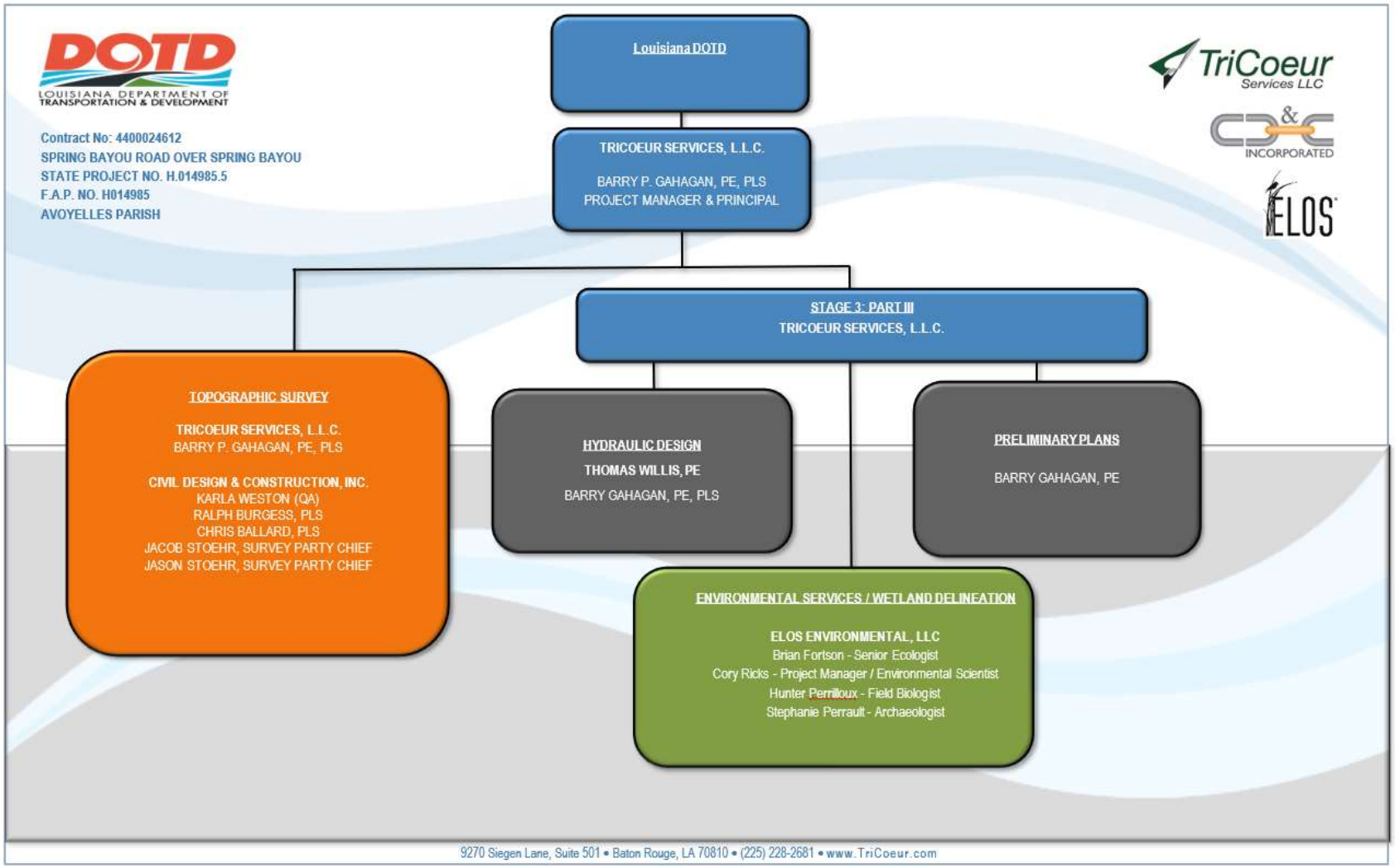
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
TriCoeur Services, L.L.C.	Administrative	1	1
TriCoeur Services, L.L.C.	Principal	1	1
TriCoeur Services, L.L.C.	Engineer	2	2
TriCoeur Services, L.L.C.	CADD Technician	1	1
TriCoeur Services, L.L.C.	Engineer - Intern	1	1
Civil Design & Construction, Inc.	Surveyor	2	2
Civil Design & Construction, Inc.	Party Chief	2	5
Civil Design & Construction, Inc.	Instrument Man	2	2
Civil Design & Construction, Inc.	Rodman	2	3
Civil Design & Construction, Inc.	CADD Operator	1	1
Civil Design & Construction, Inc.	Senior Technician	3	5
ELOS Environmental, LLC	Biologist/Wetlands	2	10
ELOS Environmental, LLC	Environmental Professional	3	11
ELOS Environmental, LLC	Environmental Manager	1	2
ELOS Environmental, LLC	GIS Analyst	2	6

(Add rows as needed)

14. Organizational Chart: Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.



 Prime consultant name: **TriCoeur Services, L.L.C.**

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.

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	3/31/2024
2	Barry P Gahagan, PE	TriCoeur Services, LLC	PE /Civil 21586	LA	3/31/2024
3	Barry P Gahagan, PE	TriCoeur Services, LLC	PE /Civil 21586	LA	3/31/2024
4	Ralph Burgess, PLS	Civil Design & Construction, Inc.	PLS 5040	LA	09/30/2022
4	Chris Ballard, PLS	Civil Design & Construction, Inc.	PLS 5033	LA	09/30/2022
5	Cory Ricks	ELOS Environmental, LLC		LA	
5	Brian Fortson	ELOS Environmental, LLC		LA	
5	Hunter Perrilloux	ELOS Environmental, LLC		LA	

(Add rows as needed)

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be 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	11.8
Title	Projects Principal			Years of relevant experience with other employer(s)	31
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 / 3/31/2024	
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).
12/18 – 07/20	**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 (FP on hold following Pre-ACP submittal)** 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 skewed multiple barrel RCB crossings along paved channels in place of existing bridge structures along existing skewed alignments in FEMA floodways. Designs challenges included utility constraints of electrical transmission, and subsurface gravity sewer collection, gas and water distribution in narrow roadway and drainage rights-of-way.
12/18 – 03/20	**SP No. H013098.5 OSB Vernon Parish (Jim Cryer Rd. over Bayou Anacoco) TS, PP (FP Pre-ACP underway)** Project Manager/ Directed topographic survey, designed horizontal and vertical geometrics for approach roadways and bridge span configuration, developed structure type size and location recommendation/ for a 5 span LG25 crossing along offset alignment to enabling Parish's request to maintain traffic 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.
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, for slab span crossing with bicycle rails over concrete lined channel and alongside shallow, large diameter sewer force main and maintained pedestrian access bridge.
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, prepared temporary bridge plans for remote upstream access to the Mississippi River batture site north of St Francisville.
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.

Firm employed by **TriCoeur Services, L.L.C.**					
Name	Thomas M. Willis, PE			Years of relevant experience with this employer	7
Title	Project Engineer (Hydr & Env)			Years of relevant experience with other employer(s)	35
Degree(s) / Years / Specialization			**BS/ 1981/ Civil Engineering**		
Active registration number / state / expiration date			**24205 / LA Expirations: 3/31/2024**		
Year registered	1991	Discipline	**Civil (Hydraulic) & Environmental Engineering**		
Contract role(s) / brief description of responsibilities			Project Engineer Civil (Hydraulic) & Environmental		

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).
12/18 – 07/20	**SP No. H013122.5 OSB Ouachita Parish (Pine Street over West Prong of Young's Bayou & Harrison – Collier Streets over Concrete Drainage Canal) HYDR** Project Engineer/ Prepared hydraulic analyses reports/ calibrated results to conform to FEMA data in undocumented pump drainage network of Monroe, LA./ confirmed sufficiency of Parish preferred multiple RCB bridge replacements along existing skewed alignments in FEMA floodways.
12/18 – 03/20	**SP No. H013098.5 OSB Vernon Parish (Jim Cryer Rd. over Bayou Anacoco) HYDR** Project Engineer/ Prepared hydraulic analyses report for bridge span configuration developed structure type size and location recommendation/ reviewed plan preparation of a 5 span LG25 crossing along offset alignment in woody debris prone regions downstream of the Anacoco Lake dam.
09/13 – 03/17	**SP No. H010597.5 OSB West Feliciana Parish (Sligo Road Bridges) HYDR** Project Engineer/ Prepared hydraulic analyses reports for two bridge sites along extremely hilly terrain/flashy streams for Quad Beam bridge spans for the skewed 12 span crossing of Bayou Sara and the 3 span crossing of Gayle's Creek.
02/19 - 03/20	**East Feliciana Parish Project No. PW1178-DR 4277 LA (FEMA) (Carruth Road Bridge) HYDR** Project Engineer/ Prepared hydraulic analyses reports for narrow flood prone corridor for roadway crossing at the confluence of a drainage lateral and significant primary channel relief along the existing bridge upstream face. Developed hydraulic studies inclusive of 20ft timber and 48ft LG25 girder spans. The recommendation and reviewed plan preparation for a multi span LG25 crossing proved low cost in bid 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) HYDR** Project Engineer/ Prepared hydraulic analyses reports for flood prone roadway crossing in flood prone corridor for a multi concrete slab crossing of Waterfall Bayou structure south of Clinton, LA.
02/17 - 02/18	**West Feliciana Parish Project No. 16-HMP-PW-02 (FEMA) (Plettenberg Road Bridge) HYDR** Project Engineer/ Prepared hydraulic analyses reports for alignment in extremely flood prone corridor for the Polly Creek crossing replacement structure in the seasonally flood prone areas of the Mississippi River batture north of St Francisville, LA.

Firm employed by	Civil Design & Construction, Inc. (CD&C)				
Name	Karla E. Weston, PE			Years of relevant experience with this employer	17
Title	President			Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			Bachelor of Science / 1999 / Civil Engineering		
Active registration number / state / expiration date			31010 / Louisiana / March 31, 2024		
Year registered	2004	Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities			Mrs. Weston will oversee the firms' role as a sub-consultant and make sure the work is completed to LADOTD standards.		

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 time specified in the applicable MPR(s).
02/16-09/19	**H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA**: Mrs. Weston's served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
12/13 – 10/19	**H.02960 Gramercy Bridge, St. James Parish, LA**: Mrs. Weston served as Principal-in-Charge for the firm's role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project
02/14 - 02/15	**H.010620 I-49 Design Build, Lafayette, LA**: Mrs. Weston provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.
05/13 – 05/14	**H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA**: Mrs. Weston served as Principal-in-Charge for the firm's role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.
01/06 – 12/12	**EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA**: Mrs. Weston served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11' lands with a 2' barrier curb and gutter, and a 6' adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.
03/12 – 07/12	**H.009104.5 - Sunshine Bridge Phase 2:** Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.

05/11 – 04/12	**Red River – Jackson Street Bridge, Alexandria, LA:** Ms. Weston served as Project Manager and Engineer for CD&C's portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.
06/12 – 10/12	**H.009986 – Paths 2 Progress. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 33** Ms. Weston served as the Principal-in-charge/Project Manager for this roadway rehabilitation project of roads in Jefferson Parish. This included field reconnaissance to determine severity of inundated roadways due to Hurrican Katrina, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
12/11 – 4/12	**H.005902.5 - Consulting Services for the Permanent Repair to Federal Aid Eligible Roads as a Result of Damage due to Hurricane Katrina in 2005. Jefferson, Orleans, Plaquemines, St. Bernard and St. Tammany Parishes – Group 29** Ms. Weston served as the Principal-in-charge/Project Manager for this project which included survey, field reconnaissance to determine severity of inundated roadways due to Hurricane Katrina in the City of New Orleans, preparation and detailing of roadway rehabilitation plans, typical sections, providing quantity calculations, etc.
01/06 – 07/06	**Picardy Avenue Extension–City/Parish of East Baton Rouge:** Mrs. Weston served as Principal-in-Charge for this extension of Picardy Avenue, connecting Bluebonnet Blvd. with I-10 West. Duties included project layout and design as wells as subsurface drainage design for approximately ½ mile.

Firm employed by	Civil Design & Construction, Inc. (CD&C)		
Name	Ralph Burgess, PLS	Years of relevant experience with this employer	11
Title	Principal Land Surveyor	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2004 / Industrial Design & Supervision, Southeastern LA University	
Active registration number / state / expiration date		5040 / Louisiana – September 30, 2022	
Year registered	2010 Discipline	Land Surveyor	
Contract role(s) / brief description of responsibilities.		Mr. Burgess serve as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.	

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 time specified in the applicable MPR(s).
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**:Mr. Burgess was the Survey Manager for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. This included merging of data from a previous survey on one portion of the site and field verifications of that data. The topographic data for this project was collected traditionally.
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**:Mr. Burgess was the surveying Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
07/17-12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD & Cardno, Inc for utility locations, coordination of crews and 3D terrestrial scanning crew along with office personnel, coordination. Special duties were merging of two state projects with project survey for final submittal to combine all projects together.
01/16-08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included complete topographic survey and drainage map for this project including all utility coordination. The survey began at the intersection of US 190 and Holiday Square Frontage Road. From this point, the survey proceeded in a northerly direction along US 190 for

	approximately 2.9 miles to a point that is 700 feet South of Intersection of US 190 and E. Boston St. in Covington, LA. This project also included work in the Abita River and utilized 3D Terrestrial Scanning for the main route.
10/15-12/18	**H.003184.5 I-10 Texas State Line –East of Coone Gully, Calcasieu Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, coordination of utility companies on the project, review and verification of drainage crossing I10, merging of existing topographic survey of bridges from LADOTD and final review of all survey data for submittals
08/16-12/17	**H.011235 I-49 South at Verot School Road, Lafayette, LA**: Mr. Burgess served as the Survey Manager for the project. Duties included meeting with LADOTD, and all consultants on the team, coordination of both traditional crews and 3D terrestrial scanning crew, coordination of survey crews with Cardno, Inc, utility locations on the project, met and review right of entry with landowners for project, review of drainage map, merging of existing topographic survey of the I-49 Connector project from LADOTD with current survey of project, review of apparent right of way mapping for prime consultant, and final review of all survey data.
07//14-10/15	**H.011088.5 I-110 North Street to Plank Road, EBR Parish, LA**: Mr. Burgess served as Survey Manager for the project. Duties included meeting with LADOTD, coordination of traditional crews and 3D terrestrial scanning crew, review and verification of drainage map, merging and final review of all survey data for submittals. Other special duties were coordinating with LADOTD District 61 for a rolling lane closure for location of drainage located in the interior of the project along the existing crash wall. Also, coordination with LADOTD Records and EBR City Parish regarding the research of all drainage structures that enter and leave the project area.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Mr. Burgess served as Survey Manager on this project which included a complete topographic survey, utility coordination, channel cross-sections and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
03/14-06/14	**H.008369 Cleo Road Roundabout, St. Tammany Parish, LA**: Mr. Burgess served as the project manager for the project. CD&C was responsible for the topographic survey that began approximately 2400 ft. NW of intersection of I-59 and US Hwy 1090 and ended approximately 1000 ft. NW of intersection of I-59 and US Hwy 1090. The survey also included 500 ft. of Cleo Road and 175 ft. of Avenue D.
05/13-07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Survey Manager for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Mr. Burgess served as the Survey Manager for this project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	**H.010620 I-49 Design Build**: Mr. Burgess managed and supervised all field work, utility coordination, and review of existing survey data for final topographic survey submittal. CD&C also produced ROW maps for the project. Mr. Burgess's duties for this portion also included title reports, review of property surveys and final submittal of final existing right of way plans.

Firm employed by	Civil Design & Construction, Inc. (CD&C)		
Name	Chris Ballard, PLS	Years of relevant experience with this employer	6
Title	Survey Project Manager	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization		BS / 2004 / Biological Science / Southeastern LA University	
Active registration number / state / expiration date		5033 / Louisiana – September 30, 2022	
Year registered	2010	Discipline	Land Surveyor
Contract role(s) / brief description of responsibilities.		Mr. Ballard serve as the Survey Project Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant. Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.	

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 time specified in the applicable MPR(s).
01/18-01/20	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA**: Mr. Ballard is the Surveying Project Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.
04/17-07/17	**H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA**: Mr. Ballard served as the firms Survey Project Manager on this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.
02/19-09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Mr. Ballard is serving Survey Project Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.

01/17-12/17	**East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:** In 2017, CD&C has performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Project Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16 - 11/16	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA**: Mr. Ballard served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, **3D Terrestrial Scanning** was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17 - 12/17	**H.012650.5-1 District62 Bridges, Livingston and Tangipahoa Parishes, LA**: Mr. Ballard served as a Survey Project Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges including the US190 one was surveyed utilizing **3D Terrestrial Scanning**.
10/15 - 12/18	**H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included the review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 - 08/16	H**.005733.5 US 190 Superstreet, St. Tammany Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included **processing** of data, review of field notes and weeklies, & performing final punch list. This project also included work in the Abita River utilized **3D Terrestrial Scanning** for the main route.
10/15 - 01/16	**H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	**260-01-0028, H.002372 LA 42 Widening and Improvements, Ascension Parish, LA**: Mr. Ballard worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA**: Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with **3D terrestrial scanning.**

Firm employed by Civil Design & Construction, Inc. (CD&C)			
Name	Philip Dupree	Years of relevant experience with this employer	10
Title	Survey Party Chief	Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		NSPS Certified Survey Technician, Level III, Boundary Cert. No. 0799-1106 / Nationwide/ 06/30/2019; ATSSA Certified as Registered Flagger / 07/12/2021 ATSSA Certified Traffic Control Tech & Traffic Control Supervisor / 07/12/2021	
Year registered	Discipline		
Contract role(s) / brief description of responsibilities		Mr. Dupree is the Senior Survey Party chief who will work to oversee a crew as well as aide in coordinating all crews with Survey PM to ensure field work is being completed timely and accurately.	

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 time specified in the applicable MPR(s).
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**:Mr. Dupree was the Senior Party Chief & Field Coordinator for this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18-02/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Mr. Dupree is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/2018	**H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:** Mr. Dupree is serving as Field coordinator on this project by working specifically to set the control on the job and overseeing field crews as they work to complete the topography.
10/15-12/2018	**H.011235 I-49 South at Verot School Road, Lafayette, LA:** Mr. Dupree served as Field coordinator on this project. He resurrected the original control set on the project and oversaw the checking of it. Mr. Dupree was the field coordinator with the R/R and also the SUE contractor on the project. He oversaw all field crews and ensured that the project was completed accurately and timely.
01/16-08/2016	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Mr. Dupree served as Field coordinator on this urban roadway topography project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule.
10/16-11/2016	**H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA**: Mr. Dupree served as Field coordinator on this project. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge**,** 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey.

07/14/10/2015	**H.010319.5 I-110 North St. to Plank Road, Baton Rouge, LA:** Mr. Dupree served as Field coordinator on this heavily traveled Interstate project that included 3D scanning in addition to traditional topography. He oversaw the daily progress of both traditional field crews and scan crews and completed the project accurately and on schedule. He also coordinated with the district and state police to oversee the rolling lane closure that was required to obtain the drainage invert data.
05/13-07/13	**H.009288 LA 1 Railroad Bridge at DOW, West Baton Rouge, LA**: Mr. Dupree served as Senior Party Chief for this project located in West Baton Rouge Parish. The intent is to create a grade separation at the intersection of LA 1 and the R/R spur for DOW. CD&C is performing all of the topographic survey for this project including utility coordination and R/R coordination and permits so that CD&C can survey the spur and parallel line.
10/14-12/14	**H.011088.5 West Prien Lake, Lake Charles, LA**: Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. This project was to provide topographic survey for a new route to be constructed. Topographic survey and DTM was required along the proposed alignment including all utilities and all drainage with the survey limits.
02/14-03/17	**H.010620 I-49 Design Build**: Mr. Dupree served as the Senior Party Chief for this project working to collect all field data as required by the project. CD&C also produced ROW maps for the project. Mr. Dupree also was the lead Party Chief for the property surveys on this project.

Firm employed by Civil Design & Construction, Inc. (CD&C)			
Name	Jacob Stoehr	Years of relevant experience with this employer	7
Title	Survey Party Chief	Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA TCS, TCT, Flagger	
Year registered	Discipline		
Contract role(s) / brief description of responsibilities		Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.	

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 time specified in the applicable MPR(s).
01/18-01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Mr. Stoehr served as a Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/2018	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/2018	**H.011235 I-49 Verot School Road, Lafayette, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
05/17-07/2017	**H.011909.5-2 Roundabout US 171 at Boone Street, Vernon Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
01/16 – 08/16	**H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/15 – 12/2018	**H.003184.5 I-10 Texas State Line East of Coone Gully:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/16 – 11/16	**H.012728.5 LA 443 Emergency Bridge Replacement, Tangipahoa Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.

Firm employed by Civil Design & Construction, Inc. (CD&C)			
Name	Jason Stoehr	Years of relevant experience with this employer	5
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA Traffic Control Technician, Flagger	
Year registered	Discipline		
Contract role(s) / brief description of responsibilities		Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.	

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 time specified in the applicable MPR(s).
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**:Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
01/18-01/2020	**H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:** Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.
07/17-12/2018	**H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
08/16-01/2018	**H.011235 I-49 Verot School Road, Lafayette, LA:** Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
02/19 - 09/19	**Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA**: Mr. Stoehr served as a Jr. Party Chief this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.
7/17 – 12/18	**H.003184.5 I-10 Texas State Line East of Coone Gully:** Mr. Stoehr served as an instrument man on this project by aiding the crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.

Firm employed by Civil Design & Construction, Inc. (CD&C)			
Name	Alex Wells	Years of relevant experience with this employer	2.5
Title	Survey Party Chief	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		ATSSA TCS, TCT, Flagger	
Year registered	Discipline		
Contract role(s) / brief description of responsibilities		Mr. Wells joined CD&C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.	

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 time specified in the applicable MPR(s).
07/20 – 10/21	**H.013958 Carpenters Bridge Rd. Whiskey Chitto Creek:** Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 10/21	**H.013989 Greybow Rd. Palmetto Creek:** . Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
07/20 – 04/21	**H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish**: Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.
02/21 – 05/21	**H.009290.5 Safe Routes to Schools – LSU Sidewalk Improvement near LSU Lab School, Baton Rouge, LA:** Mr. Wells worked as Survey Party Chief on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.
10/20 – 01/21	**H014302 US 165 Lighting, Monroe, LA:** Mr. Wells was an Instrument Man on this project. CD&C was a sub-consultant on this project was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topographic data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.

Firm employed by	ELOS Environmental, LLC		
Name	Brian Fortson	Years of relevant experience with this employer	7
Title	Senior Ecologist	Years of relevant experience with other employer(s)	30

Degree(s) / Years / Specialization	Juris Doctorate / 2006 / Civil Cum Laude BS / 1995 / Wetland Ecology
Active registration number / state / expiration date	N/A
Year registered N/A Discipline	N/A
Contract role(s) / brief description of responsibilities	Brian will serve as the Senior Ecologist, providing his expertise for environmental permits and agency coordination.

Mr. Fortson has 30+ years of environmental experience in providing technical expertise and environmental knowledge to ELOS personnel through managing and permitting various complex developmental infrastructure projects. Mr. Fortson serves as the Senior Environmental Scientist at ELOS, working with regulatory agencies such as USDA, NRCS, FEMA, USACE, DNR, and LDEQ. Brian's knowledge of state and federal environmental regulations and his years of experience enables him to navigate the permitting process. Mr. Fortson provides senior guidance to the environmental scientists at ELOS on plant identification and threatened and endangered species surveys.

01/15 – 01/16	STATE PROJECT NO. STP-445-1(002), US 51 BUSINESS (LA 22 TO I-12) (LADOTD, N-Y ASSOCIATES) Mr. Fortson supervised and participated in field investigations to support wetland delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among natural resource agencies, consultation with landowners, and outreach to public groups.
08/17 – 07/18	S.P. H.972275, LAND USE AND TRANSPORTATION STUDY HARRISON AVE EXT (LADOTD, PROFESSIONAL ENGINEERING CONSULTANTS CORP.) Senior Environmental Scientist. Assisted in the preparation of a DOTD Stage 0 Environmental Checklist for the extension of Harrison Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles. Desktop and field data were collected to identify relevant resources in the project area. He assisted in the identification of land use, wetlands, community facilities, recreational assets, historic and cultural sites, and hazardous waste sites.
09/17 – 02/21	S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT (LADOTD, N-Y ASSOCIATES) Senior Environmental Scientist. Responsible for the supervision of fieldwork, wetland delineations, biological surveys, and Section 404 application for three alternative alignments being studied for the extension of E. University Avenue from LA 1065 to the Hammond Airport. He provided the wetlands value assessment (WVA) to estimate mitigation costs for unavoidable impacts to wetlands.
05/21 – 03/22	ST. TAMMANY TRACE BRIDGE REPLACEMENT Senior Environmental Scientist. serves as a Project Manager overseeing the permitting process, coordinating with regulatory agencies, and providing senior-level insight for this project. ELOS is contracted to conduct a wetland delineation and obtain jurisdictional determination from the USACE, as well as submit a joint permit application to the LDNR OCM for the replacement of the Trace Bridge over Little Bayou Castine on Tammany Trace.

Firm employed by	ELOS Environmental, LLC			
Name	Cory Ricks		Years of relevant experience with this employer	6
Title	Project Manager / Environmental Scientist		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BS / 2015 / Biology	
Active registration number / state / expiration date			R-I-99273-17-01464	
Year registered	2017	Discipline	proActive Safety Services Renovator Initial	
Contract role(s) / brief description of responsibilities			Cory will serve as the Project Manager, providing his expertise for wetland delineations and jurisdictional determinations, as well as managing the collection of field data and the development of reports.	

Mr. Ricks serves as ELOS's wetland delineation specialist. Mr. Ricks has led wetland delineation efforts for multiple projects for local development, mitigation banks, and infrastructure developments. He has provided assistance with NEPA documentation, permitting, wetland delineations, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist on a variety of environmental and debris monitoring projects.

09-20 – In Progress	S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES) Environmental Scientist. Performed the wetland delineation for all three routes and provided a report of the findings. Provided assistance for GIS mapping of the Wetlands Findings Report, Phase 1 Environmental Assessment Survey, and the Biological Assessment Survey. Provided a report of the threatened and endangered species known in the project area. Lead efforts on providing stream and waterbody data for each report. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.
08/20 – 7/21	S.P. H.013952, RURAL BRIDGE INITIATIVE - JESSE B ROAD OVER BAYOU MALLET (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 7/21	S.P. H.013955, RURAL BRIDGE INITIATIVE – SANDY CREEK BRIDGE (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – In Progress	S.P. H.013956, RURAL BRIDGE INITIATIVE– BEAMOW RD. OVER BAYOU MARINGOUIN (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 7/21	S.P. H.013957, RURAL BRIDGE INITIATIVE – SLIGO RD. OVER WALTER CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – In Progress	S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 3/22	S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.

8/20 – 1/22	S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 9/21	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 9/21	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 2/22	S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – In Progress	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 1/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
8/20 – In Progress	S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 1/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 9/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.

Firm employed by	ELOS Environmental, LLC		
Name	Hunter Perrilloux	Years of relevant experience with this employer	3
Title	Environmental Scientist	Years of relevant experience with other employer(s)	1

Degree(s) / Years / Specialization			BS / 2018 / Biology
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			Hunter will serve as the Field Biologist, providing his expertise for collecting and analyzing data for wetland delineations and jurisdictional determinations.

Mr. Perrilloux's responsibilities at ELOS have included assisting with mitigation bank monitoring, endangered species monitoring, and performing wetland delineations. He has performed several field investigations to collect and process data. Mr. Perrilloux has also assisted with mitigation bank monitoring efforts as well as eagle nest monitoring.

8/20 – 7/21	S.P. H.013952, RURAL BRIDGE INITIATIVE – JESSE B ROAD OVER BAYOU MALLET (LADOTD, BURK-KLEINPETER, INC.) Field Biologist. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 7/21	S.P. H.013955, RURAL BRIDGE INITIATIVE – SANDY CREEK BRIDGE (LADOTD, BURK-KLEINPETER, INC.) Field Biologist. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 7/21	S.P. H.013957, RURAL BRIDGE INITIATIVE – SLIGO ROAD OVER WALTER CREEK (LADOTD, BURK-KLEINPETER, INC.) Field Biologist. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 9/21	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Conducted fieldwork. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 9/21	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Conducted fieldwork. This bridge replacement project included a wetland delineation and permit applications.
8/20 – 1/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.) Conducted fieldwork. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 1/22	S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.) Field Biologist. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
8/20 – 1/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.) Conducted fieldwork. This bridge replacement project included a wetland delineation and permit applications.
9/20 – In Progress	S.P. H.008915.2, LA 3234 EXTENSIONS TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT (LADOTD, N-Y ASSOCIATES) Field Biologist. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.

Firm employed by	ELOS Environmental, LLC				
Name	Stephanie Perrault		Years of relevant experience with this employer	1	
Title	Archaeologist/ Principal Investigator		Years of relevant experience with other employer(s)	25	
Degree(s) / Years / Specialization			MA, Anthropology		
Active registration number / state / expiration date			33714583		
Year registered		Discipline	Professional Archaeologist		
Contract role(s) / brief description of responsibilities			Ms. Perrault will serve as an Archaeologist, providing her expertise for cultural resource investigations, agency coordination, and tribal coordination.		

Ms. Perrault has 25+ years of experience in cultural resource management in providing technical expertise and historical knowledge to ELOS personnel through managing various complex projects. Ms. Perrault serves as the Archaeologist and Principal Investigator at ELOS, working with regulatory agencies such as HUD, USACE, FERC, LADOTD, SHPO, HRHP, THPO, and ACHP. Ms. Perrault provides senior guidance to the environmental scientists at ELOS on cultural resources investigations and historic structure surveys that comply with all state and federal standards. Ms. Perrault is an expert in artifact analyses, site mapping, and the evaluation of resource eligibility for listing in the National Register of Historic Places (NRHP) and state registry of historic properties.

2/19 – 9/21	LAFITTE LEVEES SECTION 106 REVIEW, JEFFERSON PARISH, LA Ms. Perrault was responsible for the Section 106 Review to determine the low and high probability areas for potential cultural resource findings. She performed 2 digs so far and based on her findings, Ms. Perrault offered suggestions for further investigation within the low and high probability areas within the Area of Potential Impact.
8/20 – 9/21	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376 BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Ms. Perrault was the Archaeologist and responsible for the Cultural Resource Phase I Survey for the two-bridge replacement project totaling in 3.1 areas. The project included a wetland delineation, permit applications, cultural resource phase one survey, and a threatened and endangered species survey.
6/21 – 9/21	PHASE I CULTURAL RESOURCES ASSESSMENT SURVEY, LACOMBE TRACE TRAILS AND NATURE PARK, ST. TAMMANY, LA The entire 25.527 acre project area was situated between Bayou Lacombe and the St. Tammany Trace. Ms. Perrault provided guidance through the National Environmental Policy Act (NEPA) permitting process, assisted with an Environmental Assessment of the site, conducted a Phase I Cultural Resources Investigation, provided recommendations to St. Tammany Parish Planners based on the findings of the Cultural Resources investigation, provided consultation services and communication support between St. Tammany Parish, the Lead Federal Agency, Agency Reviewers (i.e. SHPO and THPOs), and other stakeholders, and ensured compliance with the NEPA and Section 106 of the National Historic Preservation Act (NHPA).
6/21 – Present	ST. FRANCISVILLE WWTP RELOCATION, PHASE I SURVEY, WEST FELICIANA PARISH, LA Ms. Perrault provided services for three tasks to fulfill the requirements of Section 106 of the NHPA. 1) Background research; 2) Terrestrial Phase I Cultural Resource Survey; 3) Cultural Resource Assessment Findings Report. Ms. Perrault and her team conducted a pedestrian survey, 63 shovel testing, and auguring on the 15.97-acre site.

17. Firm Experience:

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

Firm name	**TriCoeur Services, L.L.C.**		Past Performance Evaluation 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, B.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 (including recent FP revision expedited for realignment) and the 3 span crossing of Gayle's Creek. Site construction sequencing to maintain access to landowners between sites. Worked closely and effectively with Parish representatives to accomplish R/W acquisitions. **Members Involved:** Barry. Gahagan, PE, Nick Lowe, EI, & Tom Willis, PE, 100% performed in Louisiana.					
Firm name	**TriCoeur Services, L.L.C.**		Past Performance Evaluation 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, B.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. **Members Involved:** Barry. Gahagan, PE, Nick Lowe, EI, & Tom Willis, PE, 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, B.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)	On hold	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 crossing replacements of existing steel girder bridge structures along existing skewed alignments in FEMA floodways. **Members Involved:** Barry. Gahagan, PE, Nick Lowe, EI, & Tom Willis, PE, 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, B.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)	On-going	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 through travel 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.
Members Involved: Barry. Gahagan, PE, Nick Lowe, EI, & Tom Willis, PE, 100% performed in Louisiana.

Firm name	**TriCoeur Services, L.L.C.**	Past Performance Evaluation Discipline(s)*	Bridge
Project name	**Poplar Street Bridge over Bonnabel Canal**	Firm responsibility (prime or sub?)	Prime
Project number	**S.P. No. H006138.5**	Owner's name	**Louisiana DOTD**
Project location	**Jefferson Parish, LA**	Owner's Project Manager	**Barbara Ostuno, PE**
Owner's address, phone, email	**1201 Capital Access Road, (225) 379-1047, B.Ostuno @LA.GOV**		
Services commenced by this firm (mm/yy)	03/12	Total consultant contract cost ($1,000's)	71.517
Services completed by this firm (mm/yy)	08/13	Cost of consultant services provided by this firm ($1,000's)	71.517

Preparation of Final Plans from Preliminary Plans and Topographic Survey previously initiated by others. Project required preparation of scour analyses, revisions of the project geometric layout, incorporation of prior Plan in Hand review comments, coordination of geotechnical investigations, coordination with utility conflicts for primary water, natural gas and sanitary sewer crossings, interaction with Parish personnel, preparation of non-standard bridge bent approach slab details, and roadway plan preparations. **Members Involved:** Barry. Gahagan, PE & Tom Willis, PE, 100% performed in Louisiana.

Firm name	**Civil Design & Construction, Inc.**		Past Performance Evaluation Discipline(s)*	Survey	
Project name	Rural Bridge Initiative		Firm responsibility (prime or sub?)	Sub	
Project number	H.013955, H. 013956, etc.	Owner's name	LADOTD		
Project location	Various Parishes, LA		Owner's Project Manager	(Sub to BKI)	
Owner's address, phone, email	Not Known				
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm ($1,000's)		$338	

Project Description: The intent of this project was all necessary engineering and related services required for developing plans for the replacement of 35 bridges on the State Highway System and/or local roadways, LA. CD&C provided survey for 6 of these sites. Those include H.013955, H.013956, H.013957, H.013958, H.013959, & H.013989. CD&C used Mobile LiDAR and traditional means and methods to survey the sites in accordance with LADOTD Location and Survey Manual.

CD&C's Role:
CD&C performed a topography within the existing right of way on each of the 6 sites our firm was tasked. CD&C also located all utilities within the designated areas of the bridge site and cross-sectioned each channel up and downstream of the bridge. Utilities were marked by LA One Call. **3D Terrestrial Scanning** was used in conjunction with traditional surveying means and methods to collect data for the project.

Members Involved: Karla E. Weston, P.E., Ralph Burgess, PLS, Chris Ballard, PLS, John Ewing, Phil Dupree, Jacob Stoehr, Jason Stoehr, Scott Benton, Madison Mills, LSI & Trenton Norris. **Performed in LA: 100%**

Firm name	**Civil Design & Construction, Inc.**		Past Performance Evaluation Discipline(s)*	Survey	
Project name	LA 58: Petit Caillou Bridge Rehabilitation / Sarah Bridge		Firm responsibility (prime or sub?)	Sub	
Project number	H.010006.5-3	Owner's name	LADOTD		
Project location	Terrebonne Parish, LA		Owner's Project Manager	Thomas Gattle (Huval & Assoc)	
Owner's address, phone, email	922 W. Point Des Mouton Rd., Lafayette, LA 705007 / 337-234-3798 / tgattle@tgattle@huvalassoc.com				
Services commenced by this firm (mm/yy)	04/17	Total consultant contract cost ($1,000's)	N/A		
Services completed by this firm (mm/yy)	07/17	Cost of consultant services provided by this firm ($1,000's)	$31		

Project Description: The purpose of this project is to provide a structural, architectural, mechanical, and electrical rehabilitation of the movable bridge and approaches that shall allow it to remain in service for an additional 50 years with routine maintenance along with various other repairs and updates to the site. CD&C was tasked with performing the topographic survey and DTM for this movable bridge structure and site.

CD&C's Role: CD&C performed a topography survey along LA 58 from Little Caillou Road to Bayside Drive within the existing right of way. Also, CD&C located all utilities within the designated areas of the bridge site and cross-sectioned this large bayou up and downstream of the bridge. Utilities were marked by LA One Call. **3D Terrestrial Scanning** was used in conjunction with single beam hydrographic surveying in addition to traditional means and methods to collect data for the project. To obtain all critical information for design the bridge had to be scanned at both raised and lowered positions.

Members Involved: CD&C employees involved in the project included Ralph Burgess, PLS, Survey Manager; Christopher Ballard, PLS Survey Project Manager; Trent Norris, 3D Scanning Technician; John Ewing, Survey Technician. **Performed 100% LA.**

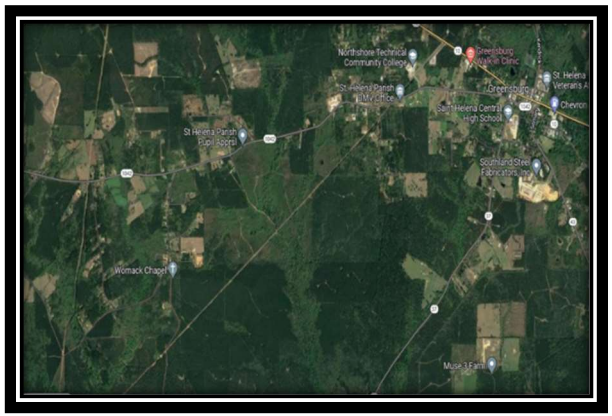
Firm name	**Civil Design & Construction, Inc.**		Past Performance Evaluation Discipline(s)*	Survey	
Project name	I-10: LA 415 to Essen Lane on I-10 and I-12		Firm responsibility (prime or sub?)	Sub	
Project number	H.004100	Owner's name	LADOTD		
Project location	West and East Baton Rouge, LA		Owner's Project Manager	Nicholas Olivier	
Owner's address, phone, email	1201 Capital Access Rd, Baton Rouge, LA 70802 / 225-379-1232 / Nicholas.olivier@la.gov				
Services commenced by this firm (mm/yy)	01/18	Total consultant contract cost ($1,000's)		N/A	
Services completed by this firm (mm/yy)	on-going	Cost of consultant services provided by this firm ($1,000's)		$296	

Project Description: This project is located in West Baton Rouge and East Baton Rouge Parishes in the cities of Port Allen and Baton Rouge, LA. A complete Topographic survey including all utilities (ASCE 38-02, QL "B") with depths and all drainage is required, along with Finish floor elevations of all buildings that fall within the survey limits. The survey begins 1,500 feet West of the western most entrance/exit ramps of the LA 415 and I-10 Interchange. From the I-10, I-12 split the survey shall proceed in southerly and easterly directions along the existing main alignment of I-10 for approximately 1.5 miles & I-12 for approximately 1.5 miles to end the route limits. **CD&C's Role:**

CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415. **This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.**

Members Involved: Karla E. Weston, P.E.; Ralph Burgess, PLS, Christopher Ballard, PLS; Phil Dupree, Party Chief; Jacob Stoehr, Party Chief; Trent Norris, 3D scanning technician; John Ewing, Survey Tech; **Performed in LA: 100%**

Firm name	**ELOS Environmental, LLC**	Past Performance Evaluation Discipline(s)*	Environmental
Project name	**LA 10 SPUR, LA 1042 Bridges Near Greensburg Rural Bridge Initiative**	Firm responsibility (prime or sub?)	Sub
Project number	H.013982	Owner's name	LADOTD
Project location	St. Helena Parish, LA	Owner's Project Manager	Andrew Ranck, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, dotdcs@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$16
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)	$16



Services Provided: wetland delineations, preliminary jurisdictional determination, United State Army Corps of Engineers (USACE) nationwide permit applications, threatened and endangered species research, Categorical Exclusions checklist (CE), and solicitation of views (SOV).

ELOS was contracted by Burke-Kleinpeter to provide environmental services for H.013982. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of four existing bridges including one site at LA 1042 over Choctaw Creek, one site at LA 1042 over an unnamed creek, one site at LA 10 Spur over Raby Branch, and one site at LA 10 Spur over St. Joseph Branch in St. Helena Parish. **This project is one of many bridges part of the DOTD Rural Bridges Phase I projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project primarily involved wetland delineations and a wetlands finding report. Evidence observed and documented indicates that approximately 0.22 acre of the site location meets the established criteria to be considered "Section 404 wetlands." In addition, approximately 2.19 acre of this site meet the established criteria to be considered "other waters of the U.S." The DOTD will mitigate the wetlands impacted by construction activities for this project by minimizing impacts as listed in the Louisiana Standard Specifications for Roads and Bridges, 2016 edition, and mitigate for lost wetland habitats by reseeding with appropriate plants and seedlings. No threatened and endangered species surveys were required for this project.

Site 1. LA 1042/ Choctaw Creek: Recall No. 058492)

Site 2. LA 1042/ unnamed creek: Recall No. 058494

Site 3. LA 10 Spur/ Raby Branch: Recall No. 620045

Site 4. LA 10 Spur/ St. Joseph Branch: Recall No. 620046

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

Firm name	**ELOS Environmental, LLC**		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	**LA-4 Rural Bridge Initiative**		Firm responsibility (prime or sub?)	Sub	
Project number	H.014268	Owner's name	LADOTD		
Project location	Jackson and Caldwell Parish		Owner's Project Manager	Andrew Ranck, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, dotdcs@la.gov				
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost ($1,000's)		$16	
Services completed by this firm (mm/yy)	N/A	Cost of consultant services provided by this firm ($1,000's)		$16	

Services Provided: wetland delineations, preliminary jurisdictional determination, United State Army Corps of Engineers (USACE) nationwide and Department of Natural Resources CUP/Consistency Determination permit applications, threatened and endangered species research, Categorical Exclusion checklist (CE) and solicitation of views (SOV).

ELOS was contracted by Burke-Kleinpeter to provide environmental services for H.014268. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of 8 separate bridges located on LA-4 in Jackson and Caldwell Parishes. **This project is one of many bridges part of the DOTD Rural Bridges Phase II projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project involved surveys for threatened and endangered species, including investigations for the Northern Long-eared Bat, Louisiana Pine Snake, and the Red Cockheaded Woodpecker. Evidence observed and documented indicates that approximately 17.40 acres of these sites meet the established criteria to be considered "wetlands" and approximately 6.05-acres of these sites meet the established criteria to be considered "other waters of the U.S.".

Site 1. Unnamed Creek: Recall No. 021100
Site 2. Unnamed Creek: Recall No. 021120
Site 3. Bear Creek: Recall No. 021130
Site 4. Squirrel Creek: Recall No. 046750
Site 5. Sugar Creek: Recall No. 046760
Site 6. Bill's Creek: Recall No. 046782
Site 7. Lost Creek Relief: Recall No. 046786

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

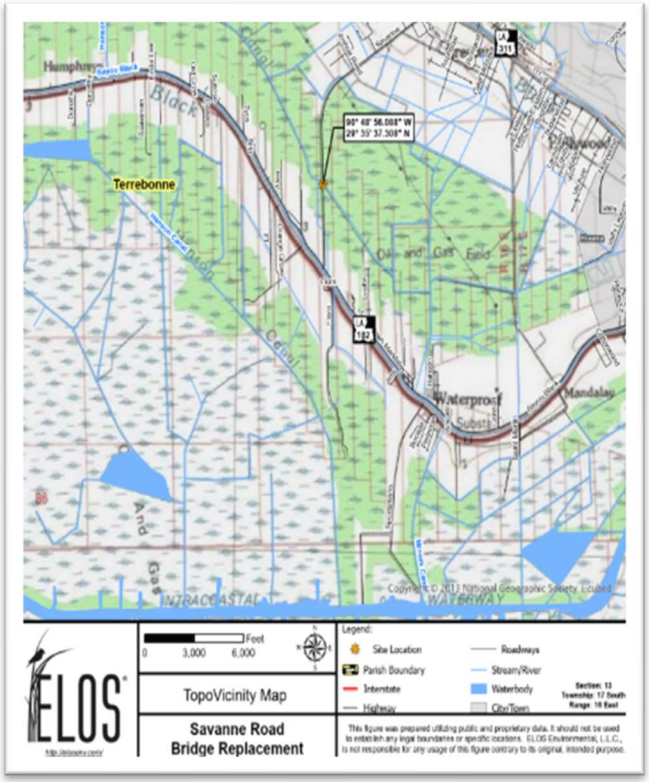
Firm name	**ELOS Environmental, LLC**		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	**Savanne Road Bridge Over Hanson Canal**		Firm responsibility (prime or sub?)	Sub	
Project number	H.014267	Owner's name	LADOTD		
Project location	Terrebonne Parish, LA		Owner's Project Manager	Andrew Ranck, P.E.	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, dotdcs@la.gov				
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)		$16	
Services completed by this firm (mm/yy)	N/A	Cost of consultant services provided by this firm ($1,000's)		$16	

Services Provided: Scenic Rivers and Streams Permits, USACE Permits, Wetland Delineation and Jurisdictional Determination, Threatened and Endangered Species, Solicitation of Views, and Categorical Exclusion Checklist.

ELOS was contracted by Infinity to provide environmental services for the improvement of DOTD Bridge Replacement projects. LADOTD proposed the replacement of the existing Savanne Road Bridge over Hanson Canal **(Recall No. 020165)** with a new concrete reinforced bridge at approximately 90° 48' 56.088" West and 29° 35' 37.308" North.

The existing bridge, located approximately 0.82 miles north of LA 182 in Terrebonne Parish, was recommended for replacement by the Louisiana Department of Transportation and Development (LA DOTD). The existing structure was a 4-span, 57-foot-long, and 24-foot-wide concrete bridge. The proposed action was to replace the existing bridge with three 20-foot spans, totaling 60 feet, with 3:1 riprap abutments and a proposed finished grade at branch crossing at 5.51 in accordance with current LADOTD and AASHTO guidelines.

This project included a wetland delineation and jurisdictional determination from the USACE, a Section 404 permit from the USACE, a scenic rivers and streams permit from the LDWF, and a threatened and endangered species survey for West Indian Manatees (*Trichechus manatus*). ELOS was also tasked with preparing and mailing the solicitation of views letters to the relevant agencies and responding to comments. This project qualified for a categorical exclusion (CATEX), meaning a detailed environmental analysis was not required. ELOS prepared and submitted the CATEX documentation.



Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Claire LaBarbera

18. Approach and Methodology:

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

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

Land Surveying:

The topographic surveys shall adhere to all modern survey theory, practice and procedures, and conform to current LADOTD Location and Survey Manual Guidelines and typical surveying methods as applied by LADOTD. This includes all accepted horizontal and vertical control standards as stated in the manual. The LADOTD feature table code list and symbols shall be utilized and met with those included in the latest edition of the survey feature code guidebook produced by the LADOTD Location and Survey Section and Automation. 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all LaDOTD Standards as related to Terrestrial and Mobile Scanning. All deliverables will adhere to the Electronic standard as set forth by LaDOTD

If Boundary Surveying & Right of Way Mapping are requested, all property and right of way work shall follow the current standards of practice as outlined in the laws and rules of the Louisiana Professional Engineering and Land Surveying Board and shall be certified to a class D survey as dictated by those laws and rules. All map preparations will conform to LaDOTD standards of operation for Right of Way Mapping.

Off System Bridge Replacements (OSB) projects are best executed with careful planning, team collaborations, and early awareness of Client concerns and anticipations for the project arguably even more so than On-System project due to the limited size, and frequent challenge of conforming these rural project sites towards compliance with LADOTD/AASHTO design standards.

Prior to the site kickoff meeting a remote investigation of existing site features including topography, approach roadway alignments, flood risks, utility conflicts, route criticality, and right-of-way constraints to have an initial anticipation of project constraints. A review of estimated traffic data (ADT and ADTT) will quickly direct the design team to an understanding of roadway design classification, required bridge clear roadway width and geometrics.

To improve team efficiencies, it is preferred to stage the site kickoff meeting between the Project Engineer and Parish representatives just prior to initiation of topographic surveys. At this time an understanding of the Parish's perspectives for the site can be expressed. Issues such as routine inundations (Parish observed high water marks and overtopping if any), seasonal criticality of use such as school bus access, agricultural equipment usage, utility conflicts, channel bank access, channel bank instability issues, debris prone conditions, etc are best discussed at this early stage while in an informal setting.

To improve quality and execution topographic survey a presurvey meeting will be held with the surveyor, the assigned party chief and instrument man (when possible) to discuss the nature of control survey monumentation, preferred methods and detail of capturing relevant ground and surface features, utilities, boundary evidence, hydraulic baseline and channel sections, etc. At this time a review of the LADOTD topographic survey checklist is reviewed and conformance is emphasized. Immediately following establishment of control, the existing roadway alignment, roadway and ground surface data is collected and transmitted to office preparation of a preliminary terrain model and surveyed alignment. A concerted effort is made at this time to evaluate and prepare design horizontal alignment for the survey crew to establish and reference as the topographic survey is completed.

Once the survey has been completed, the field roll and cross sections are developed, data is checked, point data files and existing drainage maps prepared then the survey checklist is completed and submitted to for Department review and acceptance. The topographic survey(s) shall adhere to current survey best practice and procedures and conform to current LADOTD Location and Survey Manual Guidelines, standards of practice and include in the latest edition of the survey feature code guidebook produced by the 3D Terrestrial Scanning may be utilized in conjunction with traditional means and methods to capture topography as applicable for each site and will adhere to all LaDOTD Standards as related to Terrestrial and Mobile Scanning. All deliverables will adhere to the LaDOTD standards.

With survey submittal completed the design team initiates initial coordination between geometric and hydraulic design discussing field observations, concerns for bridge grade and low chord requirements based upstream flooding, debris passage, channel bank

erosions, approach roadway profile allowances for overtopping, conformance with design geometric guidelines. Project alignment, approach roadway profile, roadway width and superelevation transitions. Following 50% design and hydraulic report submittal plan preparation and comment resolutions the design team will continue to advance project development to Pre Plan In Hand or directly to Plan in Hand status if the design and methodology is deemed suitable. Preliminary Plan development will continue through active participation with the Plan-in-Hand team, engaging dialogue and considerations of the LADOTD and Parish interests in order to advance the project through to final plan development.

Our design experience and ongoing dialogue will optimize workflow through best understanding design methods, scope challenges and Owner expectations for the development of safe, durable and the most cost effective solutions. Near conclusion of the preliminary plan phase the require R/W Sketches and Agreements will be drafted for Parish consideration and use in obtaining any necessary R/W.

Final Plan development will proceed under supplemental agreement and Notice to Proceed with accommodation of any necessary standard plan modifications and full design set compilation. All design calculations and developed plans will be checked for PreACP and ACP submittals. Along with the ACP submittal the final constructability / biddability review is prepared and submitted for LADOTD input, comment and resolution.

Our Environmental subconsultant will perform the wetland delineation(s) utilizing the methods/guidelines described in the most recent Field Guide for Wetland Delineation, Corps of Engineers Manual, in conjunction with Regional Supplement to the Corps Manual, Atlantic and Gulf Coastal Plain Region. Preliminary data on soils will be taken from the Parish Specific Web Soil Survey and verified in the field. A Global Positioning System (GPS) will be utilized to mark the boundaries of potentially jurisdictional wetlands in the field as well as all data collection points. Pertinent wetland information will be documented in the field using USACE wetland data collection forms. Upon completion of the field survey, reduce the data into a report format containing text, wetland data sheets, photographs and figures depicting the survey area as well as boundaries of **potentially jurisdictional wetlands. Field effort, data reductions and reporting should be completed within 4 weeks and ahead of allotted 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)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
TriCoeur Services, L.L.C.	Bridge	H.013098.5	Off System Bridge Program, Vernon Parish Jim Cryer Road Bridge, Stage 3 – Part IV Final Plans	$36,914
	Bridge	H.013122.5	Off System Bridge Program, Ouachita Parish Sligo Road Bridges, Stage 3 – Part IV Final Plans	$7,668
Civil Design & Construction, Inc.	Surveying	4400017597	Rural Bridge Replacement Initiative (Districts 03, 07, 61, & 62)	$7,235
	Surveying	4400017091 TO-2	LWI Statewide Modeling R5 – Task Order #2	$148,086
	Surveying	4400017091 TO-3	LWI Statewide Modeling R5 – Task Order #3	$246,123
ELOS Environmental, LLC	Environmental	H.013958	Rural Bridge Replacement Initiative: Carpenters Br Rd Over Whiskey Chitto	$842
	Environmental	H.013970	Rural Bridge Replacement Initiative: LA 717 Klondike Canal & Bayou Bridges	$279
	Environmental	H.013976	Rural Bridge Replacement Initiative: LA 376 Bayou Bridges	$4,681
	Environmental	H.013984	Rural Bridge Replacement Initiative: LA 16 Bridges (Isabel to Sun)	$241
	Environmental	H.014242	Phase II Rural Bridge Replacement Initiative: LA-124 Big Branch, Sandy Creek, Godfrey Creek, Beech Creek	$3,685
	Environmental	H.014243	Phase II Rural Bridge Replacement Initiative: LA-472 Indian Creek and Big Bear Creek	$30
	Environmental	H.014245	Phase II Rural Bridge Replacement Initiative: LA-119 Creeks & Bayou Pierre	$30
	Environmental	H.014246	Phase II Rural Bridge Replacement Initiative: LA-1199 Creeks & Spring Creek	$30
	Environmental	H.014247	Phase II Rural Bridge Replacement Initiative: LA-399 Creeks, Little 6 Mile Creek, Little 6 Mile Creek, Relf. & Flat Branch	$164

	Environmental	H.014248	Phase II Rural Bridge Replacement Initiative: LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$30
	Environmental	H.014249	Phase II Rural Bridge Replacement Initiative: LA-126 Creek	$221
	Environmental	H.014250	Phase II Rural Bridge Replacement Initiative: LA-577 Creek & Bull Bayou	$298
	Environmental	H.014268	Phase II Rural Bridge Replacement Initiative: LA-4 Creeks, Bear, Sugar	$1,341
	Environmental	H.014267.5	Savanne Road Over Hanson Canal	$5,668
	Environmental	H.014265	N. River Road Bridge	$5,943

(Add rows as needed) DO NOT SUM

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

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: TriCoeur Services, LLC

Public Address: Mr. Barry P. Gahagan, PE, PLS9270 Siegen Lane, Suite 501 Baton Rouge, Louisiana 70810

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004660	Active	09/16/2010	03/31/2023	Mr. Barry Patrick Gahagan # PE.0021586 - Active

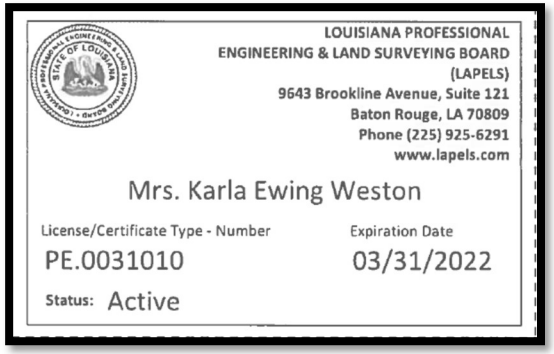
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: TriCoeur Services, LLC

Public Address: Mr. Barry P. Gahagan, PE, PLS9270 Siegen Lane, Suite 501 Baton Rouge, Louisiana 70810

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000653	Active	09/16/2010	03/31/2023	Mr. Barry Patrick Gahagan # PLS.0004834 - Active




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com
Mr. Barry Patrick Gahagan
License/Certificate Type - Number
PLS.0004834
Expiration Date
03/31/2024
Status: Active


LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com
Mr. Ralph D. Burgess
License/Certificate Type - Number
PLS.0005040
Expiration Date
09/30/2022
Status: Active


LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com
Mr. Christopher Lyle Ballard
License/Certificate Type - Number
PLS.0005033
Expiration Date
09/30/2022
Status: Active


AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION
SLOW
This is to affirm that
Ralph D Burgess
has satisfied the requirements
to be designated as a
CERTIFIED FLAGGER
Expiration Date 7/14/2023
State Issued in LA
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com


AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION
SLOW
This is to affirm that
John Ewing
has satisfied the requirements
to be designated as a
CERTIFIED FLAGGER
Expiration Date 9/7/2021
State Issued in LA
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com


AMERICAN TRAFFIC
SAFETY SERVICES
ASSOCIATION
SLOW
This is to affirm that
Jason Stoehr
has satisfied the requirements
to be designated as a
CERTIFIED FLAGGER
Expiration Date 6/25/2023
State Issued in LA
Instructor Signature
Verification available by calling 1-877-642-4637 or at http://www.flagger.com


The American Traffic Safety
Services Association
Hereby recognizes that
John R Ewing
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
2/8/2019 to 2/8/2019
Date
Baton Rouge, LA
Location
ATSSA
SAFER ROADS SAVE LIVES
Training & Products Dept. Director
President, CEO


The American Traffic Safety
Services Association
Hereby recognizes that
Ralph D Burgess
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course
2/8/2019 to 2/8/2019
Date
Baton Rouge, LA
Location
ATSSA
SAFER ROADS SAVE LIVES
Training & Products Dept. Director
President, CEO

21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

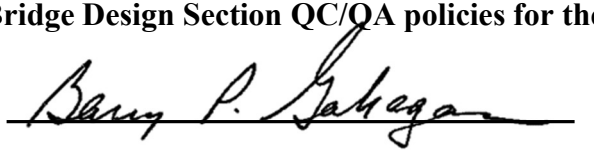
Quality Control / Quality Assurance Plan
Off System Bridge Program

Project Identification

State Project No.:	H.014985.5
Federal Aid Project No.:	H.014985
Project Title:	OFF-SYSTEM HIGHWAY BRIDGE PROGRAM AVOYELLES PARISH
Project Name:	SPRING BAYOU ROAD OVER SPRING 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: 08/04/2022**

Project Modules/Components & Assignments

Module - Component Description	Project Manager/ Supervisor / Team leader	Professional of Record (P.O.R.)	Checker	Reviewer
Stage 3, Part Ia				
- Topographic Survey	BP Gahagan	R.Burgess, PLS (CD&C)	C. Ballard, PLS (CD&C)	R.Burgess (CD&C)
Stage 3, Part III:				
- Preliminary Plans	BP Gahagan, PE	BP Gahagan, PE	N Lowe, EI	BP Gahagan, PE
- Hydraulic & Hydrologic	BP Gahagan, PE	TM Willis, PE	BP Gahagan, PE	TM Willis, PE
- Solicitation of Views & Categorical Exclusion	C. Ricks (ELOS)	H. Perrilloux (ELOS)	S. Perrault (ELOS)	C. Ricks (ELOS)
- Wetland Studies	C. Ricks (ELOS)	H. Perrilloux (ELOS)	S. Perrault (ELOS)	C. Ricks (ELOS)
- Environmental Clearance	C. Ricks (ELOS)	H. Perrilloux (ELOS)	S. Perrault (ELOS)	C. Ricks (ELOS)
- Right of Way Agreement / Sketch	BP Gahagan	BP Gahagan	N Lowe, EI	BP Gahagan
Stage 3, Part IV				
- Final Plans	BP Gahagan, PE	BP Gahagan, PE	TM Willis /N Lowe	BP Gahagan

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 is also good practice. Sealing of the bridge plans by the engineer in responsible charge of the work should follow state requirements.
3) All relevant special provisions shall be identified by the appropriate author in responsible charge and checker. Sealing of special provisions should follow state requirements.
4) Design calculations, check calculations, review comments/resolutions and other pertinent documents as discussed above shall be retained in the permanent bridge design file. Including other important documents like QC checklists, cost estimates, and supporting reports in the design file is good practice.
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 bridge size, complexity, and level of risk.
2) Participation in field engineering reviews during design, 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)

Design Checklists:

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

1) Location (Topographic) Survey Checklist
2) Plan-in-Hand checklist
3) 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.014985.5 Route No. N/A

F.A.P. No. H.014985 Parish Avoyelles

Project Name: SPRING BAYOU ROAD OVER SPRING BAYOU

P/H –Constructability ✔ ☐ *(95% Prelim)*

Advance Check Print ☐ *(95% Final)*

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

Prime consultant name: **TriCoeur Services, L.L.C.**

PLAN-IN-HAND INSPECTION REPORT
AND
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?										
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.)?		✔								

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
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?										
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?		✔								
9. Will overlay affect the intersection, gutters, or curbs drainage?	✔									

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
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?										
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?		✔								

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. 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?		✔								
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 there any signs attached to the overhead span wire for the existing traffic signal?										
7. Is the disposition of existing signal poles and signal equipment to be removed 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?	✔									

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
11. Are communication cables overhead?						✓		✓		
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?			✓			✓				
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?			✓			✓		✓		

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. 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?	✔									
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 & Phasing										
19. Is scheduling and phasing coordinated with activity needs? (Schools, festivals, harvesting, parallel routes, etc.)										
20. Will staging areas be provided to contractors that will accommodate the sequence of work and work areas?										
21. Is the type and limits of fence for temporary construction servitude identified?	✔									
22. Have requirements for local/state/federal special permits been addressed?		✔								
23. Is existing access being denied by obstacles (walls, guard rails, etc.) or grade differentials to adjacent property?										
24. Is safe pedestrian access and access to business and residences provided?		✔								

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
Detours										
25. Is detour facility clearly depicted?			✔							
26. Do the detour limits conflict with roadway improvements?			✔							
27. Is method of payment for detour satisfactory?										
28. Can detours be built due to grade difference between new and existing roadways?		✔								
29. Is traffic addressed on side streets?		✔								
30. Is night work required?			✔							
31a. 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?										
12a. If yes, are items provided?										
13. Did you create any S-item wording?			✔							
IX. UTILITIES										

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. 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?			✔							
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?	✔									

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. 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?	✔									
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)										
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?		✔								

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
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?	✔									
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?	✔									

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 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?	✔									
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?	✔									
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)			✔							

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 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?										
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)										

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. 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
VII.1	Is through traffic to be maintained?	Parish to provide detour signage
VII.25	Is detour facility clearly depicted?	Parish to provide detour signage
VIII.8	Are there provisions for noise abatement (e.g. permanent noise walls)?	Noise abatement not anticipated
VIII.11	Is there an erosion control plan provided?	Erosion control plan to be prepared in Final Plan Phase
IX.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?	Utility conflicts will be resolved by Parish prior to Bid advertisement
IX.6	Are there conflicts between gravity and force sewer mains and construction? If yes for gravity sewer, are plans included for relocation of sewer?	Gravity Sewer Main conflict to be resolved. Alternatives to resolve will be reviewed at Plan-in-Hand (PIH).
IX.11	Should an integrated utility relocation plan (scheduling and final location of utilities) be included in the construction plans?	Utility conflicts will be resolved by Parish prior to Bid advertisement.
X.2	Have all environmental commitments been identified?	To be reviewed. No pile driving noise/vibrations at issue since no driving is planned.
X.4	Are utility permit requests addressed?	Any utility permit requests will be resolved by Parish prior to Bid advertisement.
X.Geo.1	Have all borings, CPT, test piles, and settlement plates been shown on the plans?	None taken. Geotechnical scope to be discussed at PIH.
X.AsBlt.3	Are As-built drawings included with these plans?	No As built drawings anticipated for inclusion in plans.

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 (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
Civil Design & Construction, Inc.	P.O. Box 857 Port Allen, LA 70767	Karla E. Weston, PE, President kweston@cdcbr.com	225-765-1802
ELOS Environmental, LLC	607 W. Morris Avenue Hammond, LA 70403	Drake Arnone, President of Business Development darnone@elosenv.com	985-662-5501

(Add rows as needed)

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

N/A