

# **DOTD FORM: 24-102**

## **PROPOSAL TO PROVIDE CONSULTANT SERVICES**

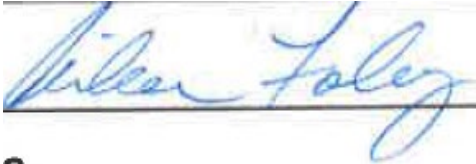
(Revised March 1, 2022)

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.)

Contract title as shown in the advertisement	IDIQ CONTRACTS FOR VALUE ENGINEERING SERVICES STATEWIDE
Contract number(s) as shown in the advertisement	4400024147 AND 4400024148
State Project Number(s), if shown in the advertisement	N/A
Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	<b>TriCoeur Services, L.L.C.</b>
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
Prime consultant mailing address	9270 Siegen Lane, Suite 501, Baton Rouge, LA 70810
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
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
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

<p>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.</p>	<p>Signature (shall be the same person as #9):</p>  <hr/> <p>Date: May 24, 2022</p>				
<p>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.</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><u>Firm(s):</u></td> <td style="width: 50%;"><u>Firm(s)' %:</u></td> </tr> <tr> <td style="height: 40px;"></td> <td></td> </tr> </table>	<u>Firm(s):</u>	<u>Firm(s)' %:</u>		
<u>Firm(s):</u>	<u>Firm(s)' %:</u>				

## 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.

<b>Sub-consultants are allowed to be used for this proposal.</b> 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 Atkins North America, Inc.	Firm C Vectura, Inc.	Firm	Each Discipline must total to 100%
Other - Value Engineering (Facilitation & PM)	30%	100%				100%
Road	28%	20%	80%			100%
Bridge	28%	80%	20%			100%
Traffic	6%		40%	60%		100%
Geotech	2%	100%				100%
Environmental	2%	80%	20%			100%
Right-of-Way	2%	20%	80%			100%
ITS	2%		40%	60%		100%
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant						
Percent of Contract	100%	62%	33%	5%		

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](http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf). (same link as in the advertisement)

**13. Firm Size:**

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
<b>TriCoeur Services, L.L.C.</b>	Administrative	1	2
<b>TriCoeur Services, L.L.C.</b>	Principal	1	2
<b>TriCoeur Services, L.L.C.</b>	(VE Team Lead)	4	4
<b>TriCoeur Services, L.L.C.</b>	Engineer	2	4
<b>TriCoeur Services, L.L.C.</b>	Engineer - Other	1	3
<b>Atkins North America, Inc.</b>	Cost Estimator	1	2
<b>Atkins North America, Inc.</b>	Engineer - Other	9	40
<b>Atkins North America, Inc.</b>	Engineer - Other		
<b>Atkins North America, Inc.</b>	(Construction Management)	2	4
<b>Atkins North America, Inc.</b>	(Right Of Way Specialist)	1	2
<b>Vectura Consulting Services, LLC</b>	Engineer	2	2
<b>Vectura Consulting Services, LLC</b>	Engineer	2	5



**14. Organizational Chart:**

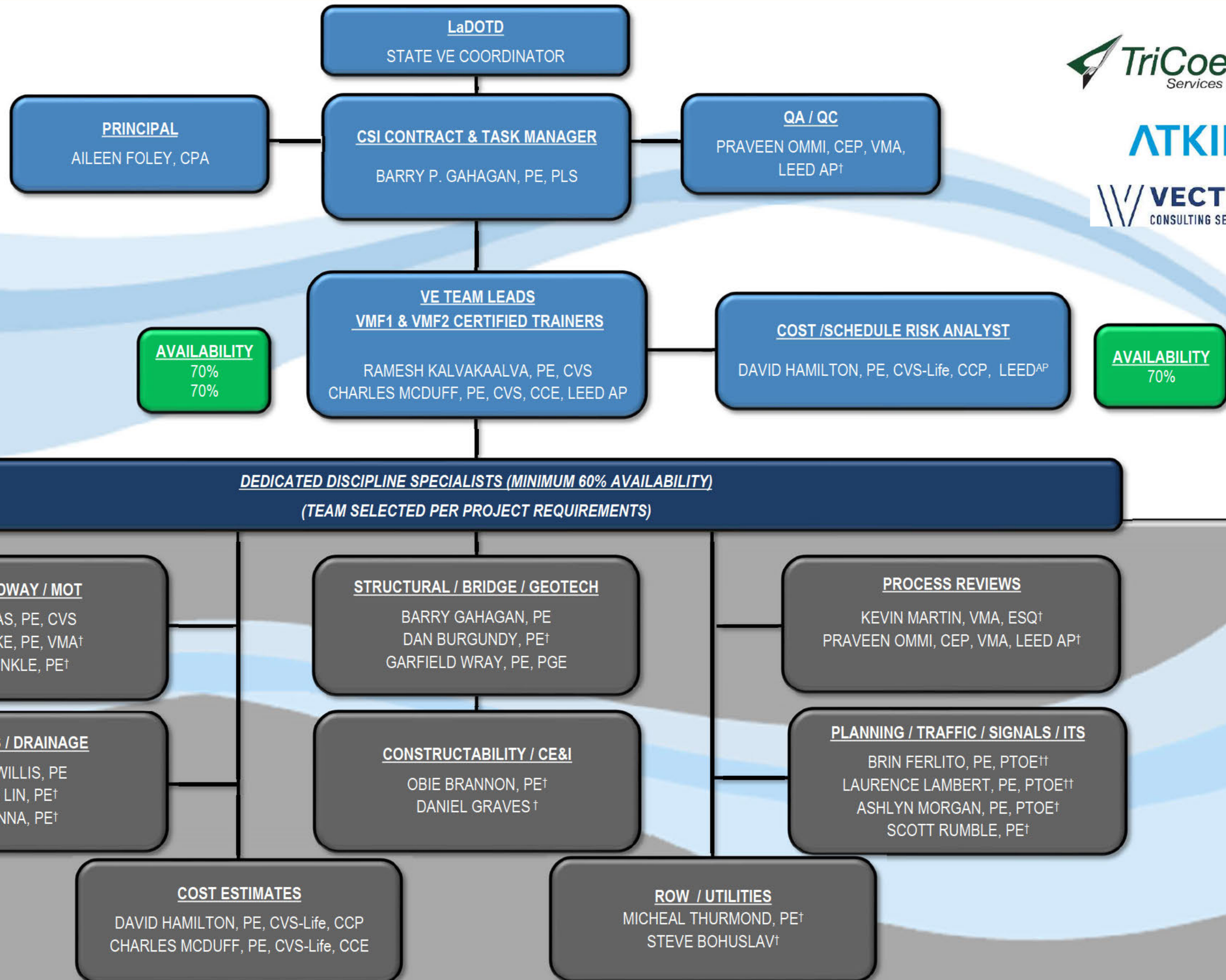
11x17 format of Org Chart in the following page.



LOUISIANA DEPARTMENT OF  
TRANSPORTATION & DEVELOPMENT  
Statewide Value Engineering Services  
Contract No's: 4400024147 & 4400024148



ATKINS



† Atkins North America

†† VECTURA

**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
	Ramesh Kalvakaalva, PE, CVS	TriCoeur Services, LLC	PE (Civil) 28219	LA	3/31/2023
3	Barry P Gahagan, PE	TriCoeur Services, LLC	PE (Civil) 21586	LA	3/31/2024
	Thomas M Willis, PE	TriCoeur Services, LLC	PE (Civil & Environmental) 24205	LA	3/31/2024
4	Ramesh Kalvakaalva, PE, CVS	TriCoeur Services, LLC	Certified Value Specialist CVS #20111050	SAVE International (Worldwide)	10/31/2023

(Add rows as needed)



**16. Staff Experience:**

Firm employed by <b>TriCoeur Services, L.L.C.</b>				
Name	<b>Barry P Gahagan, P.E., P.L.S.</b>		Years of relevant experience with this employer	8
Title	Value Specialist		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		21586 / Louisiana / 2024		
Year registered	1985	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Contract Manager / VE Structural/Bridge Team Member. Mr. Gahagan has over thirty years of diverse structural /highway/ bridge design and construction engineering experience substantially in service to the Louisiana DOTD as highlighted below.		
<b>EXPERIENCE WITH CURRENT FIRM</b>				
02/21 – 02/21	VE Structural Team Member: <b>LaDOTD State Project No.: H.004100.5 I-10 and I-12 from LA-415 to Essen Lane in East Baton Rouge and West Baton Rouge Parishes, Louisiana Department of Transportation and Development, LA.</b> Lead Bridge Engineer. Mr. Gahagan was a study team member participating in a Value Engineering Workshop and the development of the Value Engineering Report. The project considered alternative signature bridge types spanning City Park Lake, interchange modifications, drainage retention measures at Acadian Thruway /Dawson Creek, collector-distributor roadways between College and Acadian, alternatives for College Drive interchange, and adding laneage to approximately 9 miles of I -10 and I-12.			
05/21 – 05/21	VE Structural Team Member: <b>I-10: I-10 Overpass over US 165 &amp; MP R.R;</b> LaDOTD State Project No.: H.002980.5 Lead Bridge Engineer. Mr. Gahagan was a study team member participating in a Value Engineering Workshop and the development of the Value Engineering Report. The project considered alternative construction phasing, ramp realignments, and optimal interchange/intersection options.			
09/15 – 08/15	VE Structural Team Member: <b>LA 3241: LA 36 TO LA 435 TO LA 40/LA 41 S.P.</b> No. H.004113 & S.P. No. H.004435 Mr. Gahagan was a study team member participating in a Value Engineering Workshop and the development of the Value Engineering Report. The project considered alternative construction phasing and pile bent alternatives.			
03/16 – 03/16	VE Structural Team Member: <b>LA 1 / I-10 Connector;</b> LaDOTD State Project No.: H.005121 Mr. Gahagan was a study team member participating in a Value Engineering Workshop and the development of the Value Engineering Report. The project considered alternative construction phasing and pile bent alternatives.			



07/18 – 07/18	VE Structural Team Member: <b>MACARTHUR INTERCHANGE COMPLETION PHASE II JEFFERSON PARISH, LOUISIANA</b> ; State Project H.011309;
10/18 – 10/18	VE Structural Team Member: <b>I-20 MRB AT VICKSBURG OVERLAY AND REHAB</b> State Project H.012739.5 Mr. Gahagan was a study team member participating in a Value Engineering Workshop and the development of the Value Engineering Report. The project considered historical bank movement concerns, alternative construction phasing, and manway inspection access.
02/17 – 07/17	Bridge/Structural Engineer: <b>Memphis International Airport – GLYCOL Taxiway Improvements</b> , Provided roadway bridge and taxiway retaining wall designs, details and plan preparation facilitating taxiway improvements. .
03/11 – 07/11	Bridge/Structural Engineer: <b>Interstate 10 crossing - West Flood Protection Levee- Jefferson Parish, LA</b> . Provided concept formulation, subsequent Construction Modification design, final details and shop drawing review enabling the preservation of existing I-10 East and Westbound spans over Parish Canal avoiding the costly, time consuming and disruptive reconstructing the Interstate mainline spans otherwise required to elevate profile above the raised west levee elevated (Post Katrina) as part of the upgraded levee protection system.
<b>EXPERIENCE WITH OTHER FIRMS</b>	
03/90 – 12/90	Bridge/Structural Engineer: <b>I-49- I20 Interchange – Shreveport, La</b> : Participated on Bridge Design Team responsible for Preparing Final Design and Detailing of Framing Plans for the fully directional tiered interchange system of Curved Continuous Steel Trapezoidal Box Girder Systems and Reinforced concrete T-Piers including top tier Ramp SW and Ramp WS
06/88 – 03/89	Bridge/Structural Engineer: <b>I-49- La 3132 Interchange – Shreveport, La</b> : Prepared Design and Detailing of Curved Continuous Steel Trapezoidal Box Girder Systems and Reinforced concrete T-Piers for several Ramp components of the fully directional interchange
03/94 – 06/96	Bridge/Roadway Engineer: <b>SR LA66 – West Feliciana Parish</b> : Project Manager and Lead Civil Engineer for the replacement of eight (8) replacement structures along the critical access route to Louisiana State Penitentiary through the Tunica Hills
02/93 – 04/96	Bridge/Roadway Engineer: <b>US 165 I-10 to Fenton, Jefferson Davis Parish, La</b> :: Project Manager and Lead Civil Engineer widening of the existing 2 lane US Hwy to a 4 laning Urban Arterial Route in Jeff Davis Parish, La. Project involvement included directing value engineering assessment of preliminary design grade, coordination of alternative hydraulic analyses and justification of a lowered design grade. Value Engineering changes resulted in a substantial construction cost savings and reduced flood risk to upstream land owners.



Firm employed by TriCoeur Services, L.L.C.				
Name	Ramesh Kalvakaalva, PE, CVS		Years of relevant experience with this employer	2
Title	Value Specialist		Years of relevant experience with other employer(s)	30
Degree(s) / Years / Specialization			Bachelor of Science/ 1991 / Civil Engineering / NIT, India Master of Science/ 1995 / Civil Engineering / LSU	
Active registration number / state / expiration date			28219 / Louisiana / 2024	
Year registered	1999	Discipline	Civil Engineering	
Active registration number / state / expiration date			201110500 / SAVE International / 2023	
Year registered	2011	Discipline	Certified Value Specialist	
Contract role(s) / brief description of responsibilities			Value Engineering Facilitator / Risk Analyst / Structural/Bridge Team Member. Mr. Kalvakaalva has more than 30 years of experience in civil and structural engineering design, value engineering, risk assessment and project management. His Value Engineering experience includes work for the State Departments of Transportation (GA, LA, FL, TX, WY). Mr. Kalvakaalva has participated as VE Facilitator or Team Member in over 250 VE Studies to-date. His recent VE Facilitation experience specific to Transportation is listed below.	
EXPERIENCE WITH CURRENT FIRM				
02/21 – 02/21	VE Facilitator: I-10: LA 415 to Essen on I-10 and I-12; PHASE 1: WEST OF WASHINGTON STREET TO ESSEN; LaDOTD State Project No.: H.004100.5			
05/21 – 05/21	VE Facilitator: I-10: I-10 Overpass over US 165 & MP R.R.; LaDOTD State Project No.: H.002980.5			
EXPERIENCE WITH OTHER FIRMS				
02/14 – 02/14	VE Facilitator: Almonaster Bridge over the Inner Harbor Navigation Canal; ridge Replacement Project Orleans Parish, Louisiana; State Project N No. H.007250			
08/14 – 08/14	VE Facilitator: I-10: LA 1 Improvements from Leeville to Golden Meadow (Phase 2); State Project No. H.008145			
09/15 – 08/15	VE Facilitator: LA 3241: LA 36 TO LA 435 TO LA 40/LA 41 S.P. No. H.004113 & S.P. No. H.004435			
03/16 – 03/16	VE Facilitator: LA 1 / I-10 Connector; LaDOTD State Project No.: H.005121			
07/18 – 07/18	VE Facilitator: MACARTHUR INTERCHANGE COMPLETION PHASE II JEFFERSON PARISH, LOUISIANA; State Project H.011309; Federal Project H011309			
10/18 – 10/18	VE Facilitator: I-20 MRB AT VICKSBURG OVERLAY AND REHAB State Project H.012739.5; Federal Project H012739			
04/22 – 05/22	VE Facilitator: FDOT - Harborview Rd from Melbourne St. to I-75; FPN #434965-2			

06/20 – 06/20	VE Facilitator / Risk Assessment Co-Facilitator: FDOT & Turnpike Enterprise CRA + VE - Widening of Florida's Turnpike (SR 91) from Jupiter (Indiantown Road/SR706) to Ft. Pierce (Okeechobee Road/SR70, FPN No. 423374-1
10/19 – 10/19	VE Facilitator / Risk Assessment Co-Facilitator: FDOT & Turnpike Enterprise - CRA for the Design segment of Central Polk Parkway from Polk Parkway (SR 570) to US 17 (SR 35), FPID 440897-2; CRA + VE for PD&E segment of Central Polk Parkway from US 17 (SR 35) to SR 60, FPID 440897-4
06/19 – 06/19	VE Facilitator: FDOT District 5 - I-75 at NW 49th Street; FPN #: 435209-1
01/19 – 02/19	VE Facilitator: FDOT District 5 - SR-9/I-95 from NB Rest Area (MP 23.57) to SB Rest Area (MP 25.508), Brevard County; FPN: #438478-1
01/19 – 01-19	VE Facilitator: FDOT District 5 - St. Johns River to Sea (SJR2C) Loop Trail; FPN: #439865-1
03/19 – 03/19	VE Facilitator: FDOT District 5 - NASA Causeway Bridge; FPN: #440424-1
09/17 – 09/17	VE Facilitator: FDOT District 5 - S.R. 50 from U.S. 301 to C.R. 33; FPN #: 435859-1
05/19 – 05-19	VE Facilitator / Risk Assessment Co-Facilitator: FDOT District 6 - SR 826 / Palmetto Expressway from US-1 / South Dixie Highway to SR 836 / Dolphin Expressway; FPN #: 432639-1
12/16 – 12/16	VE Facilitator: TxDOT - H-10 Corridor - From West of FM-3538 to FM-359; Project No's.: CSJ 0271-02-055; CSJ 0271-03-061; CSJ 0271-03-060; CSJ 0271-03-046; and CSJ 0271-04-071
09/16 – 09/16	VE Facilitator: TxDOT - US-54/IH-10 From Loop 375 (Cesar Chavez Border Highway) to Yandell Dr.; Project No. CSJ 0167-01-113
09/16 – 09/16	VE Facilitator: TxDOT - US-54/IH-10 From Loop 375 (Cesar Chavez Border Highway) to Yandell Dr.; Project No. CSJ 0167-01-113
10/18 – 10/18	VE Facilitator: USACE Galveston District - Corpus Christi Ship Channel – Jetty Repairs; Contract No. W9126G-16-D-0017
06/20 – 06/20	VE Facilitator: USACE Fort Worth District - Design Build (DB) Request for Proposal (RFP) Development for Dallas Floodway - 277k Levee Raise; Contract No. W9126G-16-D-0017
10/16 – 10/16	VE Facilitator: WYDOT - State Highway 238 Improvements; Lincoln County; Project No's. 1206007 & 206008
2019	Publication - SAVE International: Technical Sub-committee Member – (VMBoK), Chapter 6 and Chapter 9; Visiting Professor at Georgia Institute of Technology teaching VM to Graduate Students
Ongoing	Visiting Professor at Georgia Institute of Technology teaching VM to Graduate Students
2015	Publication - Charles Nickel, PE, Ramesh Kalvakaalva, PE, CVS, Charles McDuff, PE, CVS-Life, LEED AP, FACTORS INFLUENCING VALUE ENGINEERING OUTCOMES - GEOLOGICAL, SOCIO-ECONOMICAL AND SOCIO-POLITICAL, 2015 AASHTO Value Engineering Peer Exchange Workshop, Washington DC



Firm employed by TriCoeur Services, L.L.C.				
Name	David A. Hamilton, PE, CVS-Life, CCP, ENV-SP, LEED <sup>AP</sup>		Years of relevant experience with this employer	0
Title	Value Specialist		Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization			Bachelor of Science/ 1978 / Civil Engineering, Seattle University	
Active registration number / state / expiration date			23471 / Washington / 2023	
Year registered	1980	Discipline	Civil Engineering	
Active registration number / state / expiration date			910506/ SAVE International / CVS-Life	
Year registered	1991	Discipline	Certified Value Specialist	
Contract role(s) / brief description of responsibilities			Value Engineering Facilitator / Risk Analyst / Drainage / Cost Engineering Team Member. Mr. Hamilton has more than 40 years of experience in civil and drainage engineering design, value engineering, risk assessment and project management. His Value Engineering experience includes work for the State Departments of Transportation (GA, LA, FL, TX, WY, WA, AZ, CA, NY). Mr. Hamilton has participated as VE Facilitator or Team Member in over 1000 VE Studies to-date. He is the recipient of the 2011 (FHWA) National Award “Most Outstanding Value Engineering Study: Under \$25 Million Category,” SR 36 at Flint River Bridge Replacement in GA. His recent VE Facilitation experience specific to Transportation is listed below.	
EXPERIENCE WITH OTHER FIRMS				
04/22 – 05/22	VE Co-Facilitator: FDOT - Harborview Rd from Melbourne St. to I-75; FPN #434965-2			
06/20 – 06/20	VE Co-Facilitator / Risk Assessment Facilitator: FDOT & Turnpike Enterprise CRA + VE - Widening of Florida’s Turnpike (SR 91) from Jupiter (Indiantown Road/SR706) to Ft. Pierce (Okeechobee Road/SR70, FPN No. 423374-1			
10/19 – 10/19	VE Co-Facilitator / Risk Assessment Facilitator: FDOT & Turnpike Enterprise - CRA for the Design segment of Central Polk Parkway from Polk Parkway (SR 570) to US 17 (SR 35), FPID 440897-2; CRA + VE for PD&E segment of Central Polk Parkway from US 17 (SR 35) to SR 60, FPID 440897-4			
06/19 – 06/19	VE Co-Facilitator: FDOT District 5 - I-75 at NW 49th Street; FPN #: 435209-1			
01/19 – 02/19	VE Co-Facilitator: FDOT District 5 - SR-9/I-95 from NB Rest Area (MP 23.57) to SB Rest Area (MP 25.508), Brevard County; FPN: #438478-1			
01/19 – 01-19	VE Co-Facilitator: FDOT District 5 - St. Johns River to Sea (SJR2C) Loop Trail; FPN: #439865-1			
03/19 – 03/19	VE Co-Facilitator: FDOT District 5 - NASA Causeway Bridge; FPN: #440424-1			
09/17 – 09/17	VE Co-Facilitator: FDOT District 5 - S.R. 50 from U.S. 301 to C.R. 33; FPN #: 435859-1			



05/19 – 05-19	VE Co-Facilitator / Risk Assessment Facilitator: FDOT District 6 - SR 826 / Palmetto Expressway from US-1 / South Dixie Highway to SR 836 / Dolphin Expressway; FPN #: 432639-1
12/16 – 12/16	VE Co- Facilitator: TxDOT - H-10 Corridor - From West of FM-3538 to FM-359; Project No's.: CSJ 0271-02-055; CSJ 0271-03-061; CSJ 0271-03-060; CSJ 0271-03-046; and CSJ 0271-04-071
09/16 – 09/16	VE Co-Facilitator: TxDOT - US-54/IH-10 From Loop 375 (Cesar Chavez Border Highway) to Yandell Dr.; Project No. CSJ 0167-01-113
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10/18 – 10/18	VE Co-Facilitator: USACE Galveston District - Corpus Christi Ship Channel – Jetty Repairs; Contract No. W9126G-16-D-0017
06/20 – 06/20	VE Co-Facilitator: USACE Fort Worth District - Design Build (DB) Request for Proposal (RFP) Development for Dallas Floodway - 277k Levee Raise; Contract No. W9126G-16-D-0017
2017	Publication - Numerical Bias of Constructability/Risk Teams Vs Actual Project Bid Results - A Case Study, AACE International Conference
2012	Publication - Expanding Risk Analysis into the World of Life Cycle Costing. SAVE International Convention

Firm employed by <b>TriCoeur Services, L.L.C.</b>			
Name	<b>Charles R. McDuff, PE, CVS-Life, CCE, LEED<sup>AP</sup></b>		Years of relevant experience with this employer 0
Title	Value Specialist		Years of relevant experience with other employer(s) 44
Degree(s) / Years / Specialization		Bachelor of Science/ 1966 / Civil Engineering, University of Missouri, Rolla	
Active registration number / state / expiration date		23471 / Georgia / 2023	
Year registered	1970	Discipline	Civil Engineering
Active registration number / state / expiration date		820102 / SAVE International / CVS-Life	
Year registered	1982	Discipline	Certified Value Specialist
Contract role(s) / brief description of responsibilities		Value Engineering Facilitator / Risk Analyst / Construction / Cost Engineering Team Member. Mr. McDuff has more than 50 years of experience serving as chief of design, construction engineer, and general engineering management consultant on a wide variety of projects in the private and public sectors. Mr. McDuff's value engineering (VE) experience is extensive and includes transportation, municipal, military, commercial, and other government projects. He has served as a VE team facilitator on more than 500 projects and has participated as the civil engineer or cost/constructability team member on numerous other projects. Mr. McDuff also served three years on active duty with the U.S. Army Corps of Engineers (USACE) where he held the rank of Captain and served as combat engineer company commander for one tour in Vietnam, earning the Bronze Star Medal and the Army Commendation Medal for jet fuel facilities construction, often under combat conditions. His recent VE Facilitation experience specific to Transportation is listed below.	
<b>EXPERIENCE WITH OTHER FIRMS</b>			
02/14 – 02/14	VE Co-Facilitator: Almonaster Bridge over the Inner Harbor Navigation Canal; ridge Replacement Project Orleans Parish, Louisiana; State Project N No. H.007250		
08/14 – 08/14	VE Co-Facilitator: I-10: LA 1 Improvements from Leeville to Golden Meadow (Phase 2); State Project No. H.008145		
09/15 – 08/15	VE Co-Facilitator: LA 3241: LA 36 TO LA 435 TO LA 40/LA 41 S.P. No. H.004113 & S.P. No. H.004435		
06/20 – 06/20	VE Roadway Team Member: FDOT & Turnpike Enterprise CRA + VE - Widening of Florida's Turnpike (SR 91) from Jupiter (Indiantown Road/SR706) to Ft. Pierce (Okeechobee Road/SR70, FPN No. 423374-1		

10/19 – 10/19	VE Roadway Team Member: FDOT & Turnpike Enterprise - CRA for the Design segment of Central Polk Parkway from Polk Parkway (SR 570) to US 17 (SR 35), FPID 440897-2; CRA + VE for PD&E segment of Central Polk Parkway from US 17 (SR 35) to SR 60, FPID 440897-4
06/19 – 06/19	VE Roadway Team Member: FDOT District 5 - I-75 at NW 49th Street; FPN #: 435209-1
01/19 – 02/19	VE Roadway Team Member: FDOT District 5 - SR-9/I-95 from NB Rest Area (MP 23.57) to SB Rest Area (MP 25.508), Brevard County; FPN: #438478-1
01/19 – 01-19	VE Roadway Team Member: FDOT District 5 - St. Johns River to Sea (SJR2C) Loop Trail; FPN: #439865-1
03/19 – 03/19	VE Roadway Team Member: FDOT District 5 - NASA Causeway Bridge; FPN: #440424-1
09/17 – 09/17	VE Roadway Team Member: FDOT District 5 - S.R. 50 from U.S. 301 to C.R. 33; FPN #: 435859-1
05/19 – 05-19	VE Roadway Team Member: FDOT District 6 - SR 826 / Palmetto Expressway from US-1 / South Dixie Highway to SR 836 / Dolphin Expressway; FPN #: 432639-1
12/16 – 12/16	VE Co- Facilitator: TxDOT - H-10 Corridor - From West of FM-3538 to FM-359; Project No's.: CSJ 0271-02-055; CSJ 0271-03-061; CSJ 0271-03-060; CSJ 0271-03-046; and CSJ 0271-04-071
09/16 – 09/16	VE Co-Facilitator: TxDOT - US-54/IH-10 From Loop 375 (Cesar Chavez Border Highway) to Yandell Dr.; Project No. CSJ 0167-01-113
09/16 – 09/16	VE Co-Facilitator: TxDOT - US-54/IH-10 From Loop 375 (Cesar Chavez Border Highway) to Yandell Dr.; Project No. CSJ 0167-01-113
10/18 – 10/18	VE Co-Facilitator: USACE Galveston District - Corpus Christi Ship Channel – Jetty Repairs; Contract No. W9126G-16-D-0017
06/20 – 06/20	VE Hydraulics Team Member: USACE Fort Worth District - Design Build (DB) Request for Proposal (RFP) Development for Dallas Floodway - 277k Levee Raise; Contract No. W9126G-16-D-0017
2015	Publication - Charles Nickel, PE, Ramesh Kalvakaalva, PE, CVS, Charles McDuff, PE, CVS-Life, LEED AP, FACTORS INFLUENCING VALUE ENGINEERING OUTCOMES - GEOLOGICAL, SOCIO-ECONOMICAL AND SOCIO-POLITICAL, 2015 AASHTO Value Engineering Peer Exchange Workshop, Washington DC
1997-2002	SAVE International Board Member (Certifications)



Firm employed by <b>TriCoeur Services, L.L.C.</b>				
Name	<b>Leslie M. Thomas, PE, CVS-Life</b>		Years of relevant experience with this employer	0
Title	Value Specialist		Years of relevant experience with other employer(s)	42
Degree(s) / Years / Specialization			BS, Civil Engineering, Virginia Polytechnic Institute and State University	
Active registration number / state / expiration date			23210 / Georgia / 2023	
Year registered	1996	Discipline	Civil Engineering	
Active registration number / state / expiration date			850901 / SAVE International / CVS-Life	
Year registered	1985	Discipline	Certified Value Specialist	
Contract role(s) / brief description of responsibilities			<p>Value Engineering Facilitator / Risk Analyst / Roadway Engineering Team Member. Mr. Thomas' professional career includes more than 41 years of Civil Engineering Design and Construction with 25 years of that experience in leading value engineering studies. His value engineering study experience includes transportation facilities for FDOT, GDOT, NCDOT, SCDOT, TxDOT, WISDOT and MSDOT. The VE Studies included all aspects of rural and urban sections, as well as major interchanges, interstate highways, roundabouts, single point intersections, Texas "U" turns, etc. Studies also included right-of-way acquisitions, multi-purpose trails, bike facilities, wildlife crossings, grade separations, and bridges; both steel and concrete. He has also led studies of medical research facilities such as the new Walter Reed Facility in Wash. DC and special operations facilities for Army, Fort Know, military headquarters; barracks, UH-60 helicopter hangers; vehicle maintenance facilities and unmanned aircraft support equipment and facilities. He has conducted value engineering studies on projects and programs with capital costs ranging from a few hundred thousand dollars to \$2.5 billion. His recent VE Facilitation experience specific to Transportation is listed below.</p>	
<b>EXPERIENCE WITH OTHER FIRMS</b>				
06/20 – 06/20	VE Hydraulics Team Member: FDOT & Turnpike Enterprise CRA + VE - Widening of Florida's Turnpike (SR 91) from Jupiter (Indiantown Road/SR706) to Ft. Pierce (Okeechobee Road/SR70, FPN No. 423374-1			
10/19 – 10/19	VE Hydraulics Team Member: FDOT & Turnpike Enterprise - CRA for the Design segment of Central Polk Parkway from Polk Parkway (SR 570) to US 17 (SR 35), FPID 440897-2; CRA + VE for PD&E segment of Central Polk Parkway from US 17 (SR 35) to SR 60, FPID 440897-4			
06/19 – 06/19	VE Hydraulics Team Member: FDOT District 5 - I-75 at NW 49th Street; FPN #: 435209-1			

01/19 – 02/19	VE Hydraulics Team Member: FDOT District 5 - SR-9/I-95 from NB Rest Area (MP 23.57) to SB Rest Area (MP 25.508), Brevard County; FPN: #438478-1
01/19 – 01-19	VE Hydraulics Team Member: FDOT District 5 - St. Johns River to Sea (SJR2C) Loop Trail; FPN: #439865-1
03/19 – 03/19	VE Hydraulics Team Member: FDOT District 5 - NASA Causeway Bridge; FPN: #440424-1
09/17 – 09/17	VE Hydraulics Team Member: FDOT District 5 - S.R. 50 from U.S. 301 to C.R. 33; FPN #: 435859-1
05/19 – 05-19	VE Hydraulics Team Member: FDOT District 6 - SR 826 / Palmetto Expressway from US-1 / South Dixie Highway to SR 836 / Dolphin Expressway; FPN #: 432639-1
10/18 – 10/18	VE Hydraulics Team Member: USACE Galveston District - Corpus Christi Ship Channel – Jetty Repairs; Contract No. W9126G-16-D-0017
06/20 – 06/20	VE Hydraulics Team Member: USACE Fort Worth District - Design Build (DB) Request for Proposal (RFP) Development for Dallas Floodway - 277k Levee Raise; Contract No. W9126G-16-D-0017
2009-2016	VE Facilitator: Performed 66 Value Engineering (VE) studies for the GDOT. The studies included rural, secondary, primary and interstate roadways, bridges, drainage, pavement designs, interchanges, flyovers, unlimited and limited access. To date, the GDOT has reported the VE savings to be in excess of \$168 Million for just these projects.
05/18 – 05/18	VE Facilitator: IH-35 from US 37/US 281 to Loop 410 North-San Antonio, TX – Texas Department of Transportation. Recommended capital cost savings \$17,486,000. Recommended O&M cost savings \$594,000. Recommended life cycle cost savings \$17,486,000.
06/17 – 06/17	VE Facilitator: Reconstruction of I 39/90 and US 12/18 Beltline Interchange - Wisconsin Department of Transportation – Reducing the project construction cost by: Alternate A - \$6,238,000, Alternate B - \$24,973,000, Alternate C - \$37,110,000.
09/17 – 09/17	VE Facilitator: I-95/U.S. 301 Interchange Improvement –SC Department of Transportation - Orangeburg County Proposed savings of \$8.7 million on this \$44 million project



Firm employed by TriCoeur Services, L.L.C.				
Name	Garfield Wray, PE, PGE		Years of relevant experience with this employer	0
Title	Geotechnical/Foundation Engineer		Years of relevant experience with other employer(s)	34
Degree(s) / Years / Specialization			BSCE (Honors), 1983, University of the West Indies, Trinidad, West Indies ME (Geotechnical), 1988, Howard University, Washington, D.C.	
Active registration number / state / expiration date			049734 / Florida / 2023	
Year registered	1995	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Value Engineering Geotechnical/Foundations Engineering Team Member. Mr. Wray has over 30 years of geotechnical experience and has provided project management and performed engineering analyses and design for a wide variety of engineering projects. He has worked on many projects throughout the United States including California, South Florida, the New England area, Washington D.C, Maryland, Virginia, Louisiana, Texas, and throughout the Caribbean. He has extensive knowledge of geotechnical and foundation engineering design and construction issues. His projects include foundations over soft soils, airports, marine ports, bridges, roadways, flood control structures, and other infrastructure developments, industrial facilities including LNG terminals, oil and bauxite refineries, water and wastewater treatment plants, and commercial and residential buildings up to 93 stories tall. His recent experience specific to Transportation is listed below.	
EXPERIENCE WITH OTHER FIRMS				
06/20 – 06/20	VE Geotechnical Team Member: FDOT & Turnpike Enterprise CRA + VE - Widening of Florida’s Turnpike (SR 91) from Jupiter (Indiantown Road/SR706) to Ft. Pierce (Okeechobee Road/SR70, FPN No. 423374-1			
10/19 – 10/19	VE Geotechnical Team Member: FDOT & Turnpike Enterprise - CRA for the Design segment of Central Polk Parkway from Polk Parkway (SR 570) to US 17 (SR 35), FPID 440897-2; CRA + VE for PD&E segment of Central Polk Parkway from US 17 (SR 35) to SR 60, FPID 440897-4			
05/19 – 05-19	VE Geotechnical Team Member: FDOT District 6 - SR 826 / Palmetto Expressway from US-1 / South Dixie Highway to SR 836 / Dolphin Expressway; FPN #: 432639-1			
10/18 – 10/18	VE Geotechnical Team Member: USACE Galveston District - Corpus Christi Ship Channel – Jetty Repairs; Contract No. W9126G-16-D-0017			
06/20 – 06/20	VE Geotechnical Team Member: USACE Fort Worth District - Design Build (DB) Request for Proposal (RFP) Development for Dallas Floodway - 277k Levee Raise; Contract No. W9126G-16-D-0017			



Firm employed by <b>TriCoeur Services, L.L.C.</b>				
Name	<b>Thomas M. Willis, P</b>		Years of relevant experience with this employer	3
Title	Hydraulic / Hydrologic Engineer		Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization			Bachelor of Science/ 1981 / Civil Engineering / LSU-Baton Rouge Master of Business Administration / 1989 / LSU-Baton Rouge	
Active registration number / state / expiration date			0024205 / Louisiana / 2024	
Year registered	1991/1994	Discipline	Civil Engineering / Environmental Engineering	
Contract role(s) / brief description of responsibilities			Value Engineering Hydraulics/Environmental Engineering Team Member.	
<b>EXPERIENCE WITH OTHER FIRMS</b>				
2012 – Present	New Orleans International Airport Terminal Replacement, Value Engineering Support Studies, New Orleans, LA –VE Team Member for Hydraulic and Environmental including stormwater routing and control structures, and detention basin design.			
1991-1992	Replacement of I-10 Bridge over St. John River Value Engineering Review, Jacksonville, FL – VE Team Member for Hydraulic and Environmental including stormwater control and detention basin design.			
02/93 – 04/96	US 165 Widening, I-10 to Fenton – VE Team Member for Hydraulic and Environmental to adjust design grade and bridges at Woodlawn Bayou, Bayou Arceneaux, and Little Bayou, resulting in reduced flood risk.			
2002 – 2004	LaDOTD, Crescent City Connection (CCC) Authority Project Manager and Authority Liaison, LA - VE Team Member for Hydraulic and Environmental for the Mississippi River crossing bridges, Toll Facilities, Westbank Expressway, CCC buildings and Marine Facilities for ferry crossings.			
2000-2004	MDOT Statewide Scour Studies – Project manager / engineer with primary responsibility of field review, analysis, report preparation and multidiscipline coordination associated with scour inspection of 50 different structures, including major bridge crossings of the I-10 Biloxi, I-10 Pearl, I-10 Jourdan, I-10 Tchoutacabouffa, I-10 Wolf, Rte. 613 Escatawpa, and Rte. I-49 Leaf. Scour countermeasure design was a key component.			
2000-2002	Great River Bridge, Desha County, Arkansas to Bolivar County, Mississippi - Project engineer performing value engineering and planning for location and hydraulic studies to develop an EIS and a supplemental EIS for a new roadway alignment and crossing of the Mississippi River.			
1996.-1998	US 171 Corridor Study, LA - Performed master plan hydraulic analysis, field reviews, and value engineering for various sections of the corridor and for several town by-pass alternates.			
1981-1984	I-49, Shreveport Urban Segment, LA - Prepared drainage master plan, value engineering, and the preliminary drainage plans. Work consisted of design and detailing of subsurface drainage systems, major culvert crossings, outfall channels, and roadside channels. Prepared the impact to Floodplain Analysis reports for various sections of the project.			



Firm employed by Vectura Consulting Services, LLC				
Name	Sheelagh Brin Ferlito, PE, PTOE		Years of experience with this firm/employer	6
Title	Principal		Years of experience with other firm(s)/employer(s)	27
Degree(s) / Years / Specialization			B.S. / 1988/ Civil Engineering	
Active registration number / state / expiration date			PE.0025383 / LA 9/30/2023	
Year registered	1993	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Traffic Signal / ITS CE&I Supervisor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
07/21 - Current	<b>H.007160 - EBR Computerized Traffic Signal, Phase VB (Baton Rouge, Louisiana)</b> Brin is the task leaders for Vectura for the <b>Construction Engineering and Inspection</b> of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.			
07/19 – current	<b>H.004791 DOTD Belle Chasse Bridge &amp; Tunnel Replacement PPP (Belle Chasse, LA)</b> Brin is the project manager for the <b>temporary and permanent traffic signal plans</b> for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by Louisiana DOTD.			
07/18 – 04/19	<b>LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA</b> Brin developed a Pedestrian Crosswalk Study and <b>Traffic Signal Construction Plans</b> for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.			
09/17-04/18	<b>US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA</b> Brin developed a formal traffic study for a proposed crosswalk with pedestrian <b>traffic signal equipment and pedestrian clearance timings</b> based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street.			



03/13-08/15	<b>H.001609.6 CE&amp;I for EBR Traffic Signal Systems Phase VA Construction (Baton Rouge, LA)</b> Brin was project <b>Resident Engineer</b> on behalf of DOTD and EBR to perform <b>CE&amp;I services</b> for the construction of 24 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-110 fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
07/12-03/14	<b>EBR 03-TS-CI-0026 CE&amp;I for EBR Traffic Signal Systems Jefferson Highway Construction (Baton Rouge, LA)</b> Brin was the <b>Project Resident Engineer</b> on behalf of EBR for performing <b>CE&amp;I services</b> for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building. She processed all monthly tasks in EBR formats as well as all items on the EBR project closeout checklist.
07/08-09/09	<b>SPN 013-05-0043 CE&amp;I for EBR Traffic Signal Systems Phase IV Construction (Baton Rouge, LA)</b> Brin was the <b>Project Resident Engineer</b> for DOTD and EBR to perform <b>CE&amp;I services</b> for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
06/02-04/04	<b>SPN 737-94-0030 Shreveport ITS Near-Term Phase 3A (Shreveport, LA)</b> Brin developed the construction plans for the <b>design of ITS</b> equipment on a 22 mile stretch of I-220 in Shreveport, LA. The project included 36 closed circuit television cameras, 5 dynamic message signs, and 143 radar vehicle detectors. Project included plan preparation of communications diagrams, fiber optic allocation diagrams, fiber optic termination diagrams, telecommunication facilities, power services, wireless transmitters and receivers, related conduit and end equipment, general notes, special details, estimated construction cost and terrain analyses.

Firm employed by Vectura Consulting Services, LLC				
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP		Years of experience with this firm/employer	6
Title	Supervisor		Years of experience with other firm(s)/employer(s)	18
Degree(s) / Years / Specialization			B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010	
Active registration number / state / expiration date			PE.0029901 / LA / 3/31/2024	
Year registered	2001	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Traffic Signal / ITS CE&I Quality Control	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
09/18-12/18	<b>H.013261.1 I-110 ITS Deployment Systems Engineering Analysis (Baton Rouge, LA)</b> As a sub-consultant, Laurence was the task leader for the Constraints & Alternatives Analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy Close Circuit Television cameras and one Dynamic Message Sign along the I-110 corridor from US 190 to US 61. To communicate with the field devices from the Traffic Management Centers, installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.			
03/18-06/18	<b>H.006474.1 Shreveport Immediate ITS Phase 2b (Shreveport, LA)</b> Laurence was the task leader for Procurement and Alternative Analysis Configuration portions of the Systems Engineering Analysis (SEA) that complied with Code of Federal Regulations Title 23, 940.11). The Procurement task consisted of investigating the methods of procurement for the deployment project where the procurement options the pros and cons for each method were documented. The Alternatives Analysis Configuration consisted of analyzing three possible project configurations where the pros and cons of the needed equipment and communication options were documented.			
07/16-01/17	<b>Federal Highway Administration Intersection &amp; Interchange Geometrics (IIG): Innovative Design Considerations for All Users</b> At the request of the FHWA division office for Virginia, Laurence was asked to <b>review a set of design plans</b> for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as “red line” comments were scanned and submitted to the FHWA Virginia Division office for their use.			
04/07-12/07	<b>SPN 737-99-0799 Baton Rouge to New Orleans ITS-TIM Phase 1 Design Build Project (Jefferson and St. John the Baptist Parishes)</b> Laurence was the project manager for an ITS Design-Build project, where Laurence <b>represented the DOTD ITS Section</b> . Laurence was responsible for developing a Systems Engineering Analysis			

	that was used to solicit proposals from Design-Build teams. Laurence also assisted the DOTD ITS Section with the <b>development of the Scope of Services Package (SOSP)</b> that was used during the procurement process.
09/06-09-07	<b>EBR 06-CS-HC-00012 Downtown Baton Rouge Signal Project, (Baton Rouge, LA)</b> Laurence was the Project Manager to develop construction plans to upgrade 29 signals in downtown Baton Rouge as part of the EBR Green Light Plan. <b>He coordinated numerous utility conflicts during construction</b> since current utility plans were not readily available in an old part of town. He made several signal pole foundation location adjustments based on numerous field visits with utility companies.



<b>Firm employed by: Atkins North America, Inc.</b>				
<b>Name</b>	<b>Praveen Ommi, CEP, VMA, LEED AP</b>		<b>Years of relevant experience with this employer</b>	27
<b>Title</b>	<b>Process Specialist</b>		<b>Years of relevant experience with other employer(s)</b>	1
<b>Degree(s) / Years / Specialization</b>			M.S. / 1995 / Construction Management; B.S. / 1989 / Civil Engineering	
<b>Active registration number / state / expiration date</b>			CEP: 059 / October 23, 2023; VMA: 200905033, August 31, 2023	
<b>Year registered</b>	N/A	<b>Discipline</b>	Cost Engineer / Project Manager	
<b>Contract role(s) / brief description of responsibilities</b>			Serves as a Process Specialist	
<p>Praveen Ommi has 28 years of experience providing project control services for a variety of building, transportation, civil, and marine projects. He also has significant federal experience for both national and international projects. His project experience includes developing cost estimates and schedules from the conceptual stages of a project through final design; participating in value engineering studies, bid analysis, site adaptation, and guaranteed maximum price cost reviews; negotiating with contractors; and reviewing pay applications and change orders for cost and time extensions for various types of projects. He also has extensive experience in providing project control services for toll agencies nationwide.</p>				
04/16-05/16	<p><b>LA 1 Connector Value Engineering Study, Louisiana Department of Transportation, Baton Rouge, LA. – Contract Manager / QA/QC.</b> The scope of the project includes the development of a connector route between Louisiana Highway 1 (LA 1) and Interstate Highway 10 (I-10) west of the Mississippi River in West Baton Rouge Parish. The connector roadway will include an additional four lane bridge over the Intracoastal Waterway (ICWW). At the time of the VE study, the construction documents being developed by the design team were at the 95 percent preliminary stage even as work was underway to update it to the 100 percent preliminary level of completion. The construction cost estimate at this stage of design indicated it would be delivered at a cost of approximately \$115 million. During the VE workshop, the team developed 23 Alternatives and 12 Design Suggestions. In addition, 17 alternatives were thoroughly explored and it was determined that they were neither cost effective nor technically feasible.</p>			
07/09-08/12	<p><b>Value Engineering Studies, Massachusetts Department of Transportation, Accelerated Bridge Program, Boston, MA.</b> Project manager for Atkins' team of technical experts participating in several value engineering studies for this \$3 billion bridge rehabilitation and replacement program. Coordinated the efforts of participating in various value engineering studies resulting in several millions in potential cost reductions to program. He also leads a project controls team performing cost estimating, risk analysis, and scheduling services on the program.</p>			
08/06-08/15	<p><b>Value Engineering Studies, GDOT, GA.</b> Project manager coordinating quality control responsibilities for several value engineering workshops performed for this client under an ongoing contract. Projects included resurfacing of the downtown connector in the City of Atlanta; a new interchange on I-75 near Calhoun, Georgia; reconstruction of an interchange on I-75 south of Atlanta; and other projects that generally consisted of roadway widening from two lanes rural to four lanes divided, extensive bridge work, utilities, and traffic analysis.</p>			

03/15-09/16	<b>Metro Project Controls Services, Metropolitan Transit Authority of Harris County, Houston, TX.</b> Principal-in-charge responsible for oversight of project controls services, including scheduling and cost estimating, for a multiyear task assignment on this 19.6-mile design-build light rail transit project with a value of \$1.57 billion. All Atkins staff and subconsultants were located in Metro offices and served as an extension of Metro project controls staff, for the project duration.
03/11-12/16	<b>Major Projects Cost Estimate Reviews, Federal Highway Administration, Nationwide.</b> Risk analyst leading teams of FHWA and DOT employees to analyze the cost estimates of major projects (more than \$500 million) at early design stages to advise on recommended budget modifications to lessen the chance of major overruns at final design and bid stages. Risk analysis and assessments have also been provided in the cost studies, including risk probability analysis. Atkins also advises on cost estimating practices and procedures. Cost reviews include roadway, bridge, utilities, drainage, earthwork, land acquisition, lighting, and environmental mitigation.
03/98-10/00	<b>Florida's Turnpike Enterprise Headquarters and Support Facilities at Turkey Lake Service Plaza, Florida Department of Transportation, Florida's Turnpike Enterprise, Ocoee, FL.</b> Lead estimator for all facilities and site/civil projects for this client. Responsible for developing budget, updating cost estimates, and providing support for scheduling, supplemental agreements, and design criteria packages.
10/02 – 12/03	<b>I-75 Comfort and Truck Inspection Station at Punta Gorda Weigh Station, Florida Department of Transportation District One, Bartow, FL.</b> Involved in providing design and construction services for these two truck inspection and comfort stations, northbound and southbound, on I-75 near Punta Gorda. Each truck inspection station consisted of approximately 2,200 square feet, and each comfort station consisted of 1,300 square feet. The stations incorporated two different types of construction; the comfort station was conventional concrete masonry with brick veneer and roof trusses, and the inspection station was pre-engineered metal-building construction with open panels to maximize ventilation. The office area within the comfort station was detailed for the security of the inspector with bullet-resistant doors and windows. The inspection station included a sunken pit with centrifugal ventilation and gas-detection equipment for the protection of the inspection personnel.



Firm employed by: Atkins North America, Inc.				
Name	Kevin L. Martin, Esq., AVS		Years of relevant experience with this employer	16
Title	Process Specialist		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			J.D. / 2003 / Law; B.A. / 1998 / Economics; B.A. / 1996 / Political Science	
Active registration number / state / expiration date			Attorney: ASB-8278-N72M / AL	
Year registered	2003	Discipline	Legal / Construction Manager	
Contract role(s) / brief description of responsibilities			Serves as a Process Specialist	
<p>Kevin Martin currently serves as Operations Director for Atkins EDPM US Technical Professional Organization (TPO) with primary focus on commercial management of the 2,000+ employee organization. Mr. Martin has 24 years of progressive responsibility and versatile experience in providing operations management, program management, project management, construction engineering, and surveying services on large projects and programs. His experience includes significant involvement in the administration of large program management contracts; complex projects administration; and construction of complex interstate roadways, bridges, and drainage structures.</p>				
05/2018-Present		<p><b>TPO Operations Director.</b> Responsible for operations management of the TPO within EDPM US with broad and versatile responsibilities that engage every corner of the business in representing the diverse interests of the technical delivery engine for the country. This position affords a granular view of the daily interactions with staff, management, support services, projects, and programs that make our business work in the US. Responsibilities include managing the communication and coordination with all partner Business Units (BUs), Shared Services, Finance, and BD&amp;S; working closely with the TPO Director to develop and implement overall strategy within the TPO, and work with the TPO Director to implement and track initiatives such as safety protocols and procedures, administrative compliance, and staff compliance for required trainings.</p>		
01/2014-04/2018		<p><b>Sr. Technical Manager, Construction Management East/US Disaster Recovery. Senior Technical Manager.</b> Responsible for 100+ employees who worked throughout the eastern US. Responsibilities included staff management, comprehensive project and program financial responsibility, as well as leading and mentoring staff. Also responsible for staffing administration of numerous disaster recovery missions to include Hurricanes Harvey, Irma, and Maria (2017) and Hurricane Michael (2018), successfully deploying staff safely, efficiently, and in a timely manner to best serve affected areas. Successfully exceeded productivity utilization metrics since inception while growing headcount by 30%.</p>		
10/2005-12/2013		<p><b>Group Manager, Construction Management East.</b> Program manager responsible for managing the Alabama DOT, Mississippi DOT, and Tennessee DOT construction engineering and inspection programs. Program manager for the Cobb County Georgia DOT SPLOST countywide resurfacing program to prioritize, budget, and contract resurfacing projects funded by SPLOST proceeds. Program manager for the Federal Highway Administration, Eastern Federal Lands Highway Division (EFLHD) construction management program. Program manager</p>		

	responsible for the construction portions of the Georgia DOT and Louisiana Department of Transportation and Development value engineering project assignments provided to Atkins. Obtained AVS (Associate Value Specialist) certification, while performing services on +/- 70 full-service VE studies.
2015-2020	<b>IDIQ Construction Inspection Services, FHWA EFLHD.</b> Construction management firm project executive. Responsibilities include general administration and execution of task orders received under this contract, including staff selection/ placement/training. Continues to lead EFLHD Puerto Rico mobilization for emergency repairs in the wake of Hurricanes Irma and María. Atkins was re-selected by FHWA EFLHD in 2015 for a sole-source, multiyear IDIQ for CEI services for the Southern Region. To date, Atkins has received more than 40 task orders in 12 states, District of Columbia, U.S. Virgin Islands, and Puerto Rico—representing over \$400 million in construction value. Projects have required a working knowledge of American Association of State Highway and Transportation Officials (AASHTO), American Society for Testing and Materials (ASTM), FP14, Federal Lands Highway Construction Manual and other construction administration and testing standards, including those specified by EFLHD.
2010-2015	<b>IDIQ Construction Inspection Services, FHWA EFLHD.</b> Construction management firm project executive. Responsibilities include general administration and execution of task orders received under this contract to include hiring, training, and general management of task orders and staff. Task orders continued to be focused on rural areas of roadway and bridge rehabilitation with a heavy emphasis on the Natchez Trace Parkway throughout Mississippi, Alabama, and Tennessee. Atkins was reselected by FHWA EFLHD in 2010 for a sole-source, multiyear IDIQ for CEI services for the Southern Region. Atkins received 33 task orders in 10 states, District of Columbia, and U.S. Virgin Islands— representing well over \$150 million in construction value. Projects have required a working knowledge of AASHTO, ASTM, and various other testing standards, including those specified by EFLHD Field Materials.
2005-2010	<b>IDIQ Construction Inspection Services, FHWA EFLHD.</b> Task order manager. Responsible for general administration and execution of task orders provided for CM services for FHWA under an IDIQ for EFLHD Southern Region. The contract was for 1 base year with four 1-year options—all of which were exercised. Through this contract, Atkins was awarded 26 task orders in six states and the U.S. Virgin Islands for a mix of projects of varying complexity. Contract task orders generally focused on rural roadway and bridge rehabilitation of the Natchez Trace Parkway, Blue Ridge Parkway, and Great Smoky Mountains National Park.



Firm employed by: Atkins North America, Inc.				
Name	Luke Clarke, PE, VMA		Years of relevant experience with this employer	32
Title	Design Specialist		Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		B.C.E. / 1981 / Civil Engineering		
Active registration number / state / expiration date		PE: 17500/ AL / December 31, 2023; 8063 / AR / December 31, 2023; 60221 / TX / June 30, 2022		
Year registered	AL 1989, AR 1993, TX 1986	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities		Serve as a design specialist for Civil / Roadway / MOT.		
<p>Luke Clarke is a Project Manager in the Atkins Vestavia Hills, Alabama office and has over 40 years of experience in the design, planning, and construction inspection of a variety of highway projects. His primary expertise is in areas of geometric design, construction sequencing, maintenance of traffic and value engineering.</p> <p>He is a Value Methodology Associate and has been a team member or Co-Facilitator on more than 80+ value engineering studies. Previously, he served as supervisor of the design support section for the Texas Department of Transportation, Houston District, and was responsible for managing railroad design, bridge inspection, design elements, and surveying group.</p>				
02/2021	<b>I-10 and I-12 from LA-415 to Essen Lane in East Baton Rouge and West Baton Rouge Parishes, Louisiana Department of Transportation and Development, LA.</b> Lead Roadway Engineer/Co- Facilitator. Mr. Clarke was a study team member and assisted in conducting a Value Engineering Workshop and the development of the Value Engineering Report. The project was for interchange modifications and adding a lane to approximately 9 miles of I -10 and I-12. It also included bridge widening, bridge replacement, auxiliary lane additions, shoulder widening and partial replacement or rehabilitation of the existing pavement.			
03/2022	<b>SR-210/US-231(Ross Clark Circle) from South of Meadowbrook Drive to North Cherokee Avenue in Houston County, ALDOT, AL.</b> Engineer of Record. Mr. Clarke was the Project Manager for the preparation of final construction plans. The project consisted of widening approximately 2 miles of a 4-lane major urban arterial with intermittent 2-lane access roads to a 12-lane “continuous-flow” section (3 main-lanes and 3-lane two-way service roads each direction). The project included pavement widening and rehabilitation, drainage, retaining walls, sidewalks, signalization, signing, lighting, and utility adjustments.			
09/2010 - 06/2014	<b>I-20 from East of CR-49 to the Georgia State Line, Cleburne County, ALDOT, AL.</b> Engineer of Record. Mr. Clarke was the Project Manager for the preparation of final construction plans. The project consisted of widening approximately 4 miles of a 4-lane Interstate to 6-lanes. The project included rubbilizing and reconstructing the existing concrete pavement., pavement widening, drainage, bridge raising, lighting, and signing.			



01/2011	<b>GA-42/US-23 from GA-138 to I-675 in Clayton and Henry Counties, GDOT, GA.</b> Lead Roadway Engineer/Co-Facilitator. Mr. Clarke was a study team member and assisted in conducting a Value Engineering Workshop and the development of the Value Engineering Report. The proposed project consisted of the removal of existing turn lane markings between the existing five-lane section and Davis Road and resurfacing and restriping this section for through traffic. The proposed widening and reconstruction will be for the existing two-lane roadway to be a four-lane roadway with 12-foot travel lanes, a 20-foot raised median, urban shoulders with curb and gutter, and 5-foot sidewalks on both sides.
03/2017 - 05/2020	<b>US-43 at Ashe Boulevard, Colbert County, ALDOT, AL.</b> Lead Highway Engineer. Mr. Clarke was the Lead Technical Professional for the preparation of final construction plans. The project proposed replacing two structurally deficient bridges and undercutting and rebuilding unstable approach fills. The project included pavement widening and rehabilitation, drainage, retaining walls, sidewalks, signing, and utility adjustments.
07/2006 - 08/2009	<b>I 65/US 31 Corridor Alternatives, Jefferson County, ALDOT, AL.</b> Lead Highway Engineer. Mr. Clarke was the Lead Technical Professional for the preparation of preliminary concept plans. This project includes an alternative analysis of the I-65 and US 31 corridor to explore and define roadway and transit alternatives through a series of successive study tasks that include a public engagement program, a scoping process, conceptual definition of alternatives, planning and conceptual engineering, analysis and refinement of alternatives, and select a locally preferred alternative. Tasks include an evaluation of operational improvements, HOV lanes, bus rapid transit, and express bus in the corridor.
04/2016	<b>I-95 from International Golf Parkway to the Duval County Line and from the St. Johns County Line to I-295, St. Johns and Duval County, FDOT, FL.</b> Lead Highway Engineer. Mr. Clarke was a study team member for the development of a Value Engineering Report for the subject project. The project proposed adding two lanes (in each direction) of managed tolled Express Lanes with slip ramps for entry and exit to and from the general use lanes and system to system direct connections. Direct connection ramps were proposed at SR-23, SR 9B, and the Interstate 295 interchanges.
08/2015	<b>South Padre Island, 2<sup>nd</sup> Access, from SH 100 (Mainland) to PR 100 (South Padre Island), Cameron County Regional Mobility Authority (CCRMA) and the TDOT, Cameron Count, TX.</b> Lead Roadway Engineer/Co-Facilitator. Mr. Clarke was a study team member and assisted in conducting a Value Engineering Workshop and the development of the Value Engineering Report. The project was to provide a 2nd point of access to South Padre Island from the Texas mainland. The project would propose constructing a 4-lane/8-mile-long bridge crossing the Laguna Madre.

Firm employed by: Atkins North America, Inc.				
Name	Jason Kunkle, PE		Years of relevant experience with this employer	23
Title	Design Specialist		Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization			B.S. / 1997 / Civil Engineering	
Active registration number / state / expiration date			PE: 58659 / FL / February 28, 2023; 36422/ GA / December 31, 2022	
Year registered	FL 2002, GA 2011	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for Civil / Roadway / MOT.	
Jason Kunkle has 23 years of experience in transportation planning and engineering design. His experience ranges from rural roadway, interstate, and urban roadway planning and design to complex, alternative delivery methods. Mr. Kunkle’s comprehensive understanding of local, county, state, and federal agency policies and procedures assists clients in delivering projects that are compliant with all regulations. He has served as a project engineer facilitating document and plans production and assisting project managers with developing and managing project budgets and schedules and management of technical staff and subconsultants.				
10/2014-Present	<b>I-20/SR 138 Interchange Reconstruction and Widening, GDOT, Rockdale County, GA.</b> Project design engineer and deputy project manager. Responsible for the development of the roadway concept design, including project impact costs analysis for numerous interchange configurations. This GDOT project includes the reconstruction of the I-20/SR 138 interchange including new bridge construction, reconfiguration of the current interchange design, and widening of SR 138 to three lanes in each direction. Atkins is providing engineering services for the completion of concept development, field surveys, environmental documentation, preliminary and final design, and final right-of-way plans for the project.			
01/2012-09/2013	<b>I-20 Re-decking over Alcovy River, GDOT, Newton County, GA.</b> Lead project design engineer, Responsible for plans production oversight including development of typical sections, traffic control, erosion control, specifications, and cost estimates. This project included the deck replacement of four bridges carrying I-20 over Alcovy River and the associated overflow. The project implemented rapid-bridge construction techniques using precast concrete-filled steel grid decks mounted compositely on the existing continuous steel girders. Stage construction techniques were used to ensure minimal traffic interruptions.			
6/2015-11/2018	<b>Project NEON Design-Build, Nevada Department of Transportation, Clark County and City of Las Vegas, NV.</b> Segment design lead. Responsible for oversight of the plans production including development of horizontal and vertical geometry, typical sections, retaining wall envelopes, and site demolition plans. This NDOT project is the largest public works project in Nevada history, which includes widening 3.7 miles of I-15, high-occupancy vehicle (HOV) direct connectors between I-15 and US 95, new HOV interchanges, reconstruction of several system and service interchanges, and conversion of express lanes to HOV. Atkins is the lead design firm providing engineering services for the completion of preliminary and final design, including roadway, drainage, bridge, maintenance of traffic, landscaping and architecture, ITS, signals, lighting, and environmental.			

11/2014-Present	<b>Gateway Marietta Connector Roads, City of Marietta, GA.</b> Project design engineer. Responsible for concept alternative development for this project. Responsibilities include development of horizontal and vertical geometry for numerous alternatives, typical sections, and project cost analysis. This City of Marietta project will analyze and develop roadway concepts to assist in the redevelopment of the Franklin Road corridor.
09/2010-Present	<b>SR 253 over Spring Creek Bridge Replacement, Decatur County, GA.</b> Roadway design engineer. This project, currently in final design, is to replace the structurally deficient bridge over Spring Creek (Lake Seminole) by permanently realigning 2,400 linear feet of SR 253. Development of this project has required extensive coordination with USACE. Atkins provides comprehensive services including traffic analysis, environmental, preparation of concepts, roadway design, and preparation of NPDES/erosion control plans and right-of-way plans. In addition, Atkins prepared USACE's EA for this project. Responsible for preliminary plans, including oversight of plans production consisting of horizontal and vertical geometry, typical sections, pavement design, maintenance of traffic, erosion control, and right-of-way plans. Mr. Kunkle transitioned to the project manager role for final plans and is currently responsible for managing production staff, subconsultants, budget, and schedule.
04/2013-12/2013	<b>I-4 Ultimate Improvement Project, FDOT, Orange and Seminole Counties, FL.</b> Lead maintenance of traffic project design engineer for the northern segment of this project pursuit. Responsibilities included managing the concept and development for staging traffic along I-4 for over 10 miles of interstate and interchange reconstruction. This FDOT project is a 21 mile long interstate reconstruction project through downtown Orlando that will provide four new express lanes, numerous reconstructed interchanges and completely rebuilt bridge overpasses.



Firm employed by: Atkins North America, Inc.				
Name	Daniel R. Burgundy, PE		Years of relevant experience with this employer	29
Title	Design Specialist		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			B.S. / 1986 / Civil Engineering	
Active registration number / state / expiration date			22275-E / AL / December 31, 2023	
Year registered	1998	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for Structural and Bridge design	
Daniel Burgundy has 35 years of bridge design and structural analysis experience. He has proven skills in project schedule management and budget control. Mr. Burgundy has been responsible for various bridge and structural engineering projects throughout the region. His background includes bridge replacements and widening of structures (steel, prestressed concrete, reinforced concrete, and concrete box/arch culverts), deck replacement and substructure repairs to single-span/multi-span bridges, and roadway improvements.				
2016-Present	<b>On-Call State Funded Bridge Design and Support Services, Georgia Dept. of Transportation (GDOT) Contract TOOBD1600774, Statewide, GA.</b> Structures Lead for this IDIQ on-call contract involving multi-year work order services (menu-of-services) with the GDOT Bridge Office for design services on projects containing bridges or other highway structures. To date, Atkins has 3 active task orders that include review of preliminary layouts and final plans for over 40 bridges and walls, review of VE design alternates, and redesign of two bridge foundations during construction.			
12/2017-09/2021	<b>Replacement of 5 Bridges, GDOT Region 3, Contract MPOPD1700063, GA.</b> Structures Lead for this multiple task-order contract which included Preliminary Design, Final design and construction Services for the projects: SR 171 (US 221) over Battleground Creek Bridge Replacement; SR 26 (US 80) over Ochopee River Bridge Replacement; SR 29 over Pughes Creek Bridge Replacement; SR 165 over Sugar Creek Bridge Replacement; and SR 230 over Big Branch Creek Bridge Replacement.			
01/2016-07/2019	<b>Buena Vista Road over I-185 Bridge Replacement, Georgia Dept. of Transportation, Muscogee County, GA.</b> Engineer of Record for the replacement of Buena Vista Road over I-185. The proposed structure is a 238-foot long 2-span prestressed concrete multi-beam bridge. This bridge was constructed in two stages around the existing bridge. The bridge is configured for a diverging-diamond interchange, with six (six) lanes and a 10' median sidewalk.			
01/2019-04/2020	<b>Old Dixie Highway &amp; Norfolk Southern Railway over CW Grant Parkway, Georgia Dept. of Transportation, Clayton County, GA.</b> Designer and Engineer of Record for the redesign of full-height abutment foundations for the single-span multi-girder bridges. The highway bridge is a prestressed multi-girder bridge. The railroad bridge is a steel multi-girder bridge with a concrete deck and ballast. The revised foundations are vertical steel H-Piles, utilizing LPILE to calculate the lateral capacity of the piles. The superstructures were designed by others			

03/2015-09/2017	<b>SR 253 at Spring Creek Bridge Replacement, Georgia Dept. of Transportation, Decatur County, GA.</b> Structural manager for the replacement of SR 253 over Spring Creek. The proposed structure is a 270-foot long 3-span prestressed concrete multi-beam bridge. This bridge was constructed in two stages around the existing bridge. Due to variable in foundation conditions and the depth of water at the crossing, the piers are founded on drilled shafts (Bent 2) and perched footings on Metal-shelled piles (Bent 3).
10/2015-04/2017	<b>Project Neon Design-Build Services, Nevada Dept. of Transportation, Clark County, NV.</b> Structural designer of two bridges for the project which included introduction of new CD Lanes and interchange ramps. The bridges were continuous 2-span prestressed Bulb-T bridges supported on drilled shafts. The bridges were designed for AASHTO Seismic Zone 3.
09/2015-03/2016	<b>Dallas Fort Worth International Airport Taxiway Y Bridge Reinforcement Design and Construction Support Services, Dallas-Fort Worth International Airport, Dallas, TX.</b> Structural manager for the rehabilitation of Taxiway Y Bridge over International Boulevard, secure service roads and DART. The rehabilitation was needed to allow the existing twin continuous steel box girder bridges to carry Group VI Aircraft (Boeing 747 and Airbus A380). The project included in-depth analysis of the existing structure, and proposed deck replacement and strengthening of existing steel girders.
01/2015-09/2015	<b>I-285 and SR 400 Reconstruction Design-Build Services, Georgia Dept. of Transportation, Fulton County, GA.</b> Proposal phase manager of structures for the reconstruction of the existing I-285 and SR 400 interchange with the introduction of new CD Lanes and interchange ramps. The project included the widening or replacement of 35 bridges comprised of a combination of prestressed girders and/or steel plate girders, both straight and curved.
07/2014-12/2014	<b>Louis Armstrong New Orleans International Airport Departures-Level Structure, New Orleans, LA.</b> Structural manager for the elevated departures structure and sign foundations. The departures structure is a 2,200 foot long bridge with significant curvature and width transitions, comprised of prestressed girders on concrete bents, supported by piles. The project was designed to Louisiana Department of Transportation and Development standards, with project-specific modifications developed by Atkins for the client.



Firm employed by: Atkins North America, Inc.				
Name	Thomas Lin, PE		Years of relevant experience with this employer	2
Title	Design Specialist		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			B.S. / 2007 / Civil Engineering	
Active registration number / state / expiration date			038048 / GA / December 31, 2022	
Year registered	2013	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for Stormwater and Drainage design	
<p>Thomas Lin has 15 years of experience in urban and rural roadway transportation design for the states of Georgia and Florida and has a focus in MS4 compliance and hydraulic design for Georgia Department of Transportation (GDOT) projects. He has completed, signed, and sealed hydrology and hydraulic (H&amp;H) studies and post-construction stormwater reports that have been approved by GDOT. Further, Mr. Lin has prepared plans cover to cover, from concept to final, using GDOT's guidelines. His roadway design work experience includes horizontal and vertical geometry, super elevation calculations, erosion control plans, staging details, cost estimates, and detour plans. Mr. Lin's drainage design work experience includes drainage maps, hydraulic analysis, drainage calculations, profiles, rural and urban drainage design, H&amp;H reports, bridge coordination, HEC-RAS models, FEMA No Rise Reports, MS4 compliance, MS4 infeasibility reports, and water quality treatment.</p>				
2019-2020	<b>I-285 Eastside Express Lanes, GDOT, Dekalb County, GA.</b> Senior water resources engineer. Responsible for quality control and review of stormwater, MS4 compliance, BMP, and Hydraulic design. This design-build project is part of the Major Mobility Investment Program (MMIP).			
2019-Present	<b>SR 316 at Hi Hope Road, Georgia Dept of Transportation (GDOT), Lawrenceville, GA.</b> Lead water resources engineer. Responsible for managing & training staff on roadway drainage design, drainage construction staging, MS4, and hydraulic culvert modeling. Responsible for quality control and MS4 Permit compliance of deliverables. This project involves adding collector distributors to the outside of SR 316, as well as grade separation of Hi Hope Road. Gwinnett County's future flood models require detailed hydraulic analysis and water balance considerations.			
2019-Present	<b>SR 316 at US 29/Winder Hwy, Gwinnett County Dept of Transportation (GCDOT), Lawrenceville, GA.</b> Lead water resources engineer. Responsible for managing & training staff on roadway drainage design, drainage construction staging, MS4, and hydraulic culvert modeling. Responsible for quality control and MS4 Permit compliance of deliverables. The project involves adding collector distributors to the outside of SR 316, as well as grade separation of Winder Highway.			
2020-Present	<b>McGinnis Ferry Interchange over I-85, GDOT, Gwinnett County, GA.</b> Lead water resources engineer. Responsible for Quality Control on Stormwater, MS4, and hydraulic design. This project is to reconstruct the exiting interchange of McGinnis, Ferry over I-85 to accommodate the finished construction of the I85 Managed Lanes.			

2020-Present	<b>SR 60/Thompson Bridge Rd over Chattahoochee River (Lake Lanier), GDOT, Gainesville, GA.</b> Lead water resources engineer. Responsible for managing & training staff on roadway drainage design, drainage construction staging, MS4, and hydraulic bridge modeling. The project involves replacement of a deep-water bridge over Lake Lanier, near a major power transmission line.
2021-Present	<b>SR 144 Spur along Ogeechee River, GDOT, Savannah, GA.</b> Lead water resources engineer. Responsible for quality control over erosion/stream migration countermeasure design and report. The project involves study of revetment options to stabilize and protect the stream bank and roadway. The embankment slope and shoulder have eroded in some places to within a few feet of the edge of pavement, so timeline of construction is a concern in addition to cost and efficacy.
2019-Present	<b>Western Parallel Connector, GDOT, Henry County, GA.</b> Lead water resources engineer. Responsible for managing, quality control, and training staff on roadway drainage design, drainage construction staging, MS4, and hydraulic culvert modeling. Responsible for quality control and MS4 Permit compliance of deliverables. The new location roadway in unincorporated Henry County and City of Stockbridge along the west side of I-75 from SR 920 to Hudson Bridge Road.
2020-Present	<b>I-85 at North Druid Hills, GDOT, Fulton County, GA.</b> Lead water resources engineer. Responsible for quality control of MS4 report and BMP design of the projects. This project is the reconstruction of North Druid Hills over I-85 to accommodate the CHOA development.
2019-Present	<b>SR 138 at I-20 Interchange, Rockdale County, GA.</b> Lead water resources engineer. Responsible for managing & training staff on roadway drainage design, drainage construction staging, and MS4. Responsible for quality control and MS4 Permit compliance of deliverables. This project proposed to replace the existing diamond interchange at SR 138 over I-20 located in Rockdale County.



Firm employed by: Atkins North America, Inc.				
Name	Rick Renna, PE		Years of relevant experience with this employer	5
Title	Senior Engineer		Years of relevant experience with other employer(s)	42
Degree(s) / Years / Specialization			B.S. / 1986 / Civil Engineering	
Active registration number / state / expiration date			38795 / FL / February 28, 2023	
Year registered	1987	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for Stormwater and Drainage Specialist	
<p>Rick Renna has 33 years of drainage and stormwater design experience involving bridge scour research and design, regional stormwater modeling, pipe specifications, and all aspects of drainage design. He also served 13 years in Florida Department of Transportation (FDOT) Construction from 1974 to 1987 as an estimates engineer, FDOT Construction Project Engineer, and a segmental bridge inspector. He served as the FDOT District Four Drainage Engineer from 1997 to 1999 and the FDOT State Drainage Engineer from 2001 to 2016. Currently serves as the Panel Chair for three NCHRP research projects related to the development and implementation of climate change procedures in hydrology and hydraulics design: NCHRP 15-61, Applying Climate Change Information to Hydrologic and Hydraulic Design of Transportation Infrastructure; NCHRP 15-61A, Updates to the Design Practices Guide for Applying Climate Change Information to Hydrologic and Coastal Design of Transportation Infrastructure; and NCHRP 20-44(23) Pilot Test of Climate Change Design Practices Guide for Hydrology and Hydraulics.</p>				
06/2016-Present	<b>Drainage Section Support Services, FDOT, Central Office, Tallahassee, FL.</b> Senior engineer. Responsible for providing technical support for the FDOT Central Office Drainage Section.			
06/2016-Present	<b>General Engineering Contract 16, Design Support Services, FDOT, District Three, Chipley, FL.</b> Senior engineer. Responsible for design document and plans review. This project involves design support services.			
10/2016-Present	<b>Developed Watershed Approach to Evaluate Regional Stormwater Solutions (WATERSS), FDOT, Central Office, Tallahassee, FL.</b> Senior engineer. Responsible for developing the statewide approach for pursuing innovative stormwater management for the FDOT, Central Office OEM Office.			



<b>Firm employed by: Atkins North America, Inc.</b>				
<b>Name</b>	<b>Obie L. Brannon, PE</b>		<b>Years of relevant experience with this employer</b>	8
<b>Title</b>	<b>Cost Engineer</b>		<b>Years of relevant experience with other employer(s)</b>	21
<b>Degree(s) / Years / Specialization</b>			<b>B.S. / 1993 / Civil Engineering</b>	
<b>Active registration number / state / expiration date</b>			<b>25033 / GA / December 31, 2022</b>	
<b>Year registered</b>	<b>2012</b>	<b>Discipline</b>	<b>Civil Engineer</b>	
<b>Contract role(s) / brief description of responsibilities</b>			<b>Serve as a specialist for CE &amp; I</b>	
<p>Obie Brannon has 29 years of experience overseeing all phases of construction for public and private sector clients. His experience includes managing construction crews in highway, intersection, bridge, and culvert improvements, multi-use trails. Mr. Brannon's key skills include constructability reviews, budgeting and cost controls, National Pollutant Discharge Elimination System permitting, contracts, bidding, estimating, proposals, QA/QC, field engineering, change order management, and engineering speed studies. Throughout his career he has provided 100% frontline construction engineering and inspection management. Having worked for the Georgia DOT as a project engineer earlier in his career, Mr. Brannon understands the advanced level of project administration and management that is demanded to ensure project success, as well as safety for contractors and the public.</p>				
2018-Present	<p><b>CM-TPO Manager EAST Region.</b> Lead the Construction Management Personnel for the East region. Overseeing a staff of 90-117 meeting the needs of the Business Units of Atkins and our clients in Construction Management. Handling Resource Management and needs and availability of staff for various projects. Tracking Productivity, Safety, Integrity, Collaboration, and Innovation among the staff. Aid staff in continued development for growth and advancement with clients that they serve. In a time of challenges to find qualified staff for hiring, managed resources and staff to meet the needs of clients and new work without a drop in the quality of service that our clients have come to expect.</p>			
2015-2020	<p><b>IDIQ Construction Inspection Services, EFLHD.</b> Lead construction management engineer. Responsible for providing QA/QC and ongoing project oversight. Atkins was reselected by EFLHD in 2015 for a sole-source, multiyear IDIQ for CEI services for the Southern Region. To date, Atkins has received more than 40 task orders in 12 states, District of Columbia, U.S. Virgin Islands, and Puerto Rico—representing over \$400 million in construction value. Projects have required a working knowledge of AASHTO, ASTM, FP14, FLH Construction Manual and various other construction administration and testing standards, including those specified by EFLHD.</p>			
10/2017-Present	<p><b>Puerto Rico CEI/CM Support, EFLHD, San Juan, PR.</b> Project manager/project engineer. Responsible for providing QA/QC and management of the task order and staff. Work included support of Puerto Rico Highway Transportation Authority reconstruction work from damages caused by Hurricanes Irma and María. Damages to the island's transportation infrastructure involved an estimated 29 collapsed bridges, 40 approach slabs, and shut-down of 16,300 miles of roadway due to landslides.</p>			

02/2020-Present	<b>Special-Purpose Local-Option Sales Tax Program and Construction Management Services, Cobb County Department of Transportation, GA.</b> Construction manager/project manager. This contract involves program management services for a six-year Special Purpose Local Option Sales Tax (SPLOST) Transportation Improvement Program. The 2016 SPLOST will generate approximately \$750M for capital improvements for the various county agencies including public safety, transportation, parks and recreation, and facilities. The transportation component represents over \$287M of planned improvements with the potential for another \$150M in improvements for projects seeking federal, state, and other assistance.
03/2005-08/2014	<b>2005-2014 Special-Purpose Local-Option Sales Tax Projects, Bartow County, GA.</b> The program included resurfacing, restriping, satellite fire stations, intersection improvements, corridor realignments, and upgrades. It also included improvements and expansion of the existing landfill and the Clarence Brown Conference Center parking lot expansion. As senior civil engineer and project manager, Mr. Brannon worked with the Bartow County road director to maintain SPLOST projects and budgets. He was involved in roadways plan development from a staging and constructability perspective, and developed construction cost estimates; aided in developing transportation projects for planning and budgeting purposes; prepared bid documents and oversaw bidding process to secure contractors for the construction of roadway projects; served as contract administrator for roadway construction projects; and maintained quality and cost controls over the life of the project.
06/2000-03/2005	<b>Various Transportation Projects, Statewide Georgia.</b> Senior construction project manager. Responsibilities included constructability reviews of projects in the design phase, preliminary construction cost estimates, bidding and securing contractors, contract administration, maintaining project cost within budgets. Worked with the GDOT when state funds were involved in the project; adhering to their requirements. Involved with business development for construction engineering and inspection contracts with the Georgia Department of Transportation. Developed and secured business related to performing traffic engineering speed studies. Projects were secured and completed for Bartow County, Gordon County, City of Canton, Catoosa County, and Walker Counties.
05/1993-06/2000	<b>Various Transportation Projects, GDOT, Atlanta, GA.</b> Construction project engineer. Implemented engineered highway plans throughout the construction phase. Led an engineering team of 10 to 12 employees to oversee construction projects and aid in the preparation of future projects. Performed team work leadership for development of employees. Oversaw projects on an ongoing basis for compliance with budgeting issues (change orders, claims, overruns/under runs, material allowances). Construction responsibilities included grading, base and paving, striping and signing, traffic signalization, bridges, culverts and pipes, curb and gutter, retaining walls, MSE walls, and vertical construction (rest areas).



Firm employed by: Atkins North America, Inc.				
Name	Daniel R. Graves		Years of relevant experience with this employer	15
Title	Construction Manager		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	Construction	
Contract role(s) / brief description of responsibilities			Serve as a specialist for CE&I.	
<p>Daniel Graves serves as an associate construction manager with Atkins construction management division. He has 25 years of construction inspection/construction management and survey experience involving inspection of roadways, bridges and airports. Mr. Graves has worked on Alabama Department of Transportation (ALDOT), North Carolina Department of Transportation (NCDOT) and Georgia Department of Transportation (GDOT) projects for 20 years.</p> <p>In a previous position with Atkins, Mr. Graves served as assistant project manager on ALDOT road construction projects. He inspected all phases of construction including placement of reinforcement steel, concrete placement, and grading. He sampled all construction items from subbase layer through the finish layer, checked all certifications to ensure compliance with ALDOT specifications, and verified test report quantities to ensure proper contractor payment. As assistant project manager, he also supervised junior inspectors, ensured construction compliance with ALDOT plans and specifications, and assisted in the generation of monthly pay estimates and other reports.</p>				
09/2019-11/2021	<b>Design-Build Bridge Replacement Projects Construction Engineering and Inspection Services, GDOT, Douglas County, GA.</b> Served as senior bridge inspector for GDOT on a bridge replacement project over Dog River in Douglas County. Inspected all phases of the project including placement of drill shaft excavation and construction, pile driving, bridge substructure, girders installation (AASHTO Type III and AASHTO Bulb Tee 64”), bridge superstructure, concrete side barrier walls, reinforced concrete approach slabs, guardrail, grading, paving, striping and signage.			
10/2019-10/2020	<b>Sewer Cleaning Inspection Services, DeKalb County, GA.</b> Served as inspector supporting DeKalb Watershed Management. This job requires inspection of contractors performing cleaning of sanitary sewer lines, reviewing all work orders submitted by various contractors assigned to sanitary sewer cleaning contract, completing daily inspection reports and ensure all work is completed within contract specifications.			
01/2018	<b>FEMA STARR II Contract, HSFE06-18-J-0006, Hurricane Harvey-SDE Inspections, TX.</b> Served as inspector supporting FEMA contract for substantial damage assessment related to Hurricane Harvey in the Houston, Texas and surrounding area. This job required inspection of single-family dwellings, townhomes and businesses to document depth of floodwater, determine substantial damage to structure, provide photographs of structures and documentation to assist FEMA in future projects.			



12/2017	<b>FEMA STARR II Contract, 70FA60-18-F-00000007, Staffing Support for Section 406 Mitigation, TX.</b> Served as quality control inspector supporting FEMA on IA-TAC contract providing food boxes for DSA project for relief from Hurricane Irma and Maria. This job required inspection of food box production to ensure compliance with changing menus and FEMA guidelines, documentation of daily food box production, documentation of quantity of boxes and weights for accurate BOL (bill of lading) for shipments to FEMA logistic sites.
08/2015-11/2015	<b>TCL Runway 11-29 Pavement Rehabilitation and Marking and Signage Improvements, City of Tuscaloosa, AL.</b> Served as chief inspector for City of Tuscaloosa on rehabilitation of a runway including milling, paving, striping and sign installation at Tuscaloosa Regional Airport.
02/2010-02/2011	<b>US 231 Resurfacing Dale County 7th Division, ALDOT, AL.</b> Served as the project manager for ALDOT on an urban widening construction project in Dothan, AL and a resurfacing project on US 231 in Dale County. He inspected all phases of construction including placement of reinforcement steel, concrete placement, grading and paving. He sampled all construction items from subbase layer through the finish layer, checked all certifications to ensure compliance with ALDOT specifications, and verified test report quantities to ensure proper contractor payment. As project manager, he also supervised junior inspectors, ensured construction compliance with ALDOT plans and specifications, and generated monthly pay estimates and other reports

Firm employed by: Atkins North America, Inc.				
Name	Ashlyn M. Morgan, PE, PTOE		Years of relevant experience with this employer	11
Title	Design Specialist		Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization			B.S. / 2006 / Civil Engineering	
Active registration number / state / expiration date			PE: 34218 / AL / December 31, 2023; 036142 / GA / December 31, 2022; 25525 / MS / December 31, 2022; PTOE: 3858	
Year registered	AL 2014, GA 2011, MS 2014	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for TRAFFIC SIGNALS and ITS.	
Ashlyn Morgan has 16 years of demonstrated ITS and signal design experience, including the design and review of more than 200 signalized intersections. Ms. Morgan’s responsibilities include ITS design, planning, and signal design for projects across the United States. She has extensive experience applying ITS design solutions and problem solving techniques in the areas of ITS and roadway design. Recently, Ms. Morgan researched and assessed the potential of variable speed limits for GDOT.				
06/2015-07/2020	<b>Statewide Signal and ITS On-Call Design Services, Georgia Department of Transportation (GDOT), Douglas, Fulton, and Clayton Counties, GA.</b> Project manager and engineer-of-record. Responsible for leading a team of traffic and roadway engineers, environmentalists, and surveyors to provide on-call services for signal and ITS projects in GDOT Districts 3, 4, 5, and parts of 7. Services provided through multiple competitive awards of this ongoing contract have encompassed all facets of ITS and traffic signal analysis, design, and installation support. The current contract has involved 44 tasks, nearly \$4 million in fees, and services ranging from records research, site condition assessments, and safety audits to signal maintenance design, construction cost estimating, and updates to GDOT’s ITS Design Manual.			
06/2016-06/2021	<b>Traffic Operations Safety Design Services, Region A, GDOT(Contract TOOTO1600626), Districts 1, 2, and 5, GA.</b> Project Manager for this IDIQ on-call GDOT task and work order services contract that delivered safety improvements and recommendations in Districts 1, 2, and 5. Ashlyn was responsible for leading a team of traffic and roadway engineers, environmentalists, and surveyors to complete tasks involving TE studies, RSAs, Concept Reports, design, survey, and additional engineering services for safety improvement projects. Typical safety improvement projects included roundabouts, sight distance improvements, intersection realignments, turn-lane additions, pedestrian accommodations, and RCUTs.			
04/2012-03/2017	<b>Regional Traffic Operations Program, Georgia Dept. of Transportation, Georgia Statewide.</b> Deputy program manager. Responsible for creating a monthly performance measures report that compares the throughput and operational equipment as well as a travel time report, twice a year per corridor, comparing the travel times, delay,			

	and number of stops. Deputy project/program manager. The contract involves providing consultant services for support of the Regional Traffic Operations Program. The goal of this program is increasing throughput and reducing delay along regional commuter corridors; procuring, installing, maintaining, and repairing traffic signal components and devices; evaluating conditions along a corridor and implementing a plan for improved traffic flow; and working with local agencies and providing quick response to notifications from the Georgia Department of Transportation.
02/2011-03/2016	<b>Intelligent Transportation Systems Strategic Plan Update, Florida Dept. of Transportation, Florida Statewide.</b> Project engineer responsible for revising and updating the statewide ITS strategic plan to guide the efforts of Central office, Florida Department of Transportation districts, metropolitan planning organizations, and local governments in the planning, programming, and implementation of integrated, multimodal ITS solutions.
10/2012-03/2015	<b>Shelby County Traffic Signal Inventory, Alabama Dept. of Transportation, Third Division, Birmingham, AL.</b> Engineer. Assisted in the full inventory traffic signals in Shelby County. The inventory included collecting intersection data such as overall geometry (lane widths, grades, and turn lane lengths), pole data, signal head data, pedestrian head and pushbutton data, signing and striping, coordinates at intersection, and overall condition of the above parameters. Compiled all of the data into a final report deliverable and presented the data to Alabama Department of Transportation. This project includes a full inventory of 93 traffic signals in Shelby County including the cities of Calera, Alabaster, and Pelham.
03/2014-05/2015	<b>Traffic Data Request for Bid Development Services, Alabama Dept. of Transportation, Montgomery, AL.</b> Project manager for the development of a request for bid document to procure third-party vehicle detection probe data. Atkins will assist in developing functional requirements for the data, a requirements traceability matrix, a request for bid document, and perform integration and testing oversight.
11/2012-03/2015	<b>Roswell Street from Victory Drive to US 41 Widening Design Services, City of Marietta, GA.</b> Designed the signals and ITS for this project that involved the widening of Roswell Street (SR 120) from three lanes with right-turn lanes and narrow concrete or brick sidewalks to a four-lane, divided road with 8-foot-wide brick paver sidewalks on each side. The City's intent was to create a minimum four-lane, bidirectional streetscaped showcase road leading into the historic downtown square.



Firm employed by: Atkins North America, Inc.				
Name	Scott Rumble, PE		Years of relevant experience with this employer	28
Title	Design Specialist		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			M.S. / 1993 / Civil Engineering; B.S. / 1992 / Civil Engineering	
Active registration number / state / expiration date			PE: 38945 / AL / December 31, 2023; 24203 / GA / December 31, 2022; 17611 / MS / December 31, 2022	
Year registered	AL 2006, GA 1998, MS 2006	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a specialist for planning and traffic studies.	
Scott Rumble has managed and assisted on transportation engineering and planning projects for over 28 years, including on-call contracts for Mississippi Department of Transportation (MDOT) and the Alabama Department of Transportation (ALDOT). He has participated in a wide range of studies that includes micro-simulation modeling and training, multimodal corridor studies, feasibility studies, long range transportation plans (LRTP), travel demand modeling, freight planning, interstate access requests, signalized intersection inventories, airport landside/roadway traffic analysis, and benefit/cost analysis. He has served various clients including the MDOT, ALDOT, the Florida Department of Transportation (FDOT), the Georgia Department of Transportation (GDOT), the Tennessee Department of Transportation (TDOT), the New York New Jersey Port Authority (NYNJPA), and the Nashville International Airport (BNA).				
1996-Ongoing	<b>Transportation Planning and Environmental On-Call Master Contract, MDOT, MS.</b> Serving as project engineer and project manager of planning studies throughout the state of Mississippi under an on-call contract that Atkins has had with MDOT since 1996. Project types have varied and include micro-simulation modeling, feasibility studies, interchange justification/modification studies, and corridor studies. Projects have included On-Call Micro-simulation Assistance and Training, I-110 Corridor Evaluation Study from US 90 to SR 15, and Interstate Access Requests (IAR); Nail Road and I-55 Interchange Feasibility Study and I-55 IAR; Madison-Ridgeland I-55 Frontage Road Feasibility Study and IAR; and SR 25 (Lakeland Drive) Corridor Study; SR 18 from Raymond to Port Gibson and SR 27 from I-20 to I-55 Feasibility Study; I-20 WB at I-55 SB Lane Closure RUC Analysis; I-55 North Frontage Road from Adkins Boulevard/Beasley Road to Briarwood Drive Feasibility Study; and, US 72 Traffic Impact Study from Norfolk Southern Way to Cayce Road.			
03/2010-Ongoing	<b>Transportation Planning and Modal Programs Services, ALDOT, AL.</b> Currently serving as project manager for the statewide on-call transportation planning and modal programs services contract with ALDOT. Managed several projects under this contract including the Highway Performance Monitoring System (HPMS) assistance project, a traffic signal inventory pilot study of 168 signalized intersections that led to a statewide signal inventory			

	program, and a Project of National and Regional Significance (PNRS) application to the USDOT seeking federal grant funding.
06/2020-Ongoing	<b>SR 18 from Raymond to Port Gibson and SR 27 from I-20 to I-55 Feasibility Study, MDOT, Claiborne, Copiah, Hinds, and Warren Counties, MS.</b> Serving as project manager in charge of traffic forecasts, VISSIM analysis, safety analysis, and conceptual design tasks for approximately 80 miles of rural two-lane roads.
04/2021-Ongoing	<b>Homestead Freight Study Traffic Analysis, District 6, Florida Department of Transportation (FDOT).</b> Project manager responsible for the development of existing and future peak hour volumes for 30 intersections in the Homestead area. Also, responsible for review of Synchro analysis and assistance with the development of roadway improvement recommendations intended to improve freight travel in the study area.
04/2021	<b>I-20 WB at I-55 SB Lane Closure RUC Analysis, MDOT, Hinds and Rankin Counties, MS.</b> Project manager. Responsible for the evaluation of interstate operations during construction conditions for a lane-closure scenario using a VISSIM model. VISSIM outputs included queuing and delay values. VISSIM outputs were used to develop hourly road user costs (RUC).
01/2018-12/2021	<b>Traffic Signal Inventory Services, ALDOT, AL.</b> Served as project manager for a statewide inventory of traffic signals. Managed training sessions for data entry into software and coordinated training for field inventories.
10/2019-08/2020	<b>I-55 North Frontage Road from Adkins Boulevard/Beasley Road to Briarwood Drive Feasibility Study, MDOT, Hinds County, MS.</b> Served as project manager in charge of traffic forecasts, VISSIM analysis, safety analysis, and conceptual design tasks for two interchanges.
07/2019-09/2019	<b>US 72 Traffic Impact Study, From Norfolk Southern Way to Cayce Road, MDOT, Marshall County, MS.</b> Served as project manager and VISSIM modeler for traffic impact study completed to identify a viable new access point on US Highway 72 (US 72) to provide access to a major development site in Marshall County.
04/2016-06/2018	<b>Mississippi State University (MSU) Game Day Traffic Management Study, MDOT, Starkville, MS.</b> Served as project manager and the developer of a CORSIM model that includes the entire Mississippi State University campus and adjacent Starkville streets. The CORSIM model includes all the roadways on-campus as well as all parking lots used for game day traffic. The CORSIM model is being used to determine better ways to manage traffic after football games and to alleviate bottlenecks on-campus and off-campus.
09/2018-06/2019	<b>SR 18 / Crossgates Boulevard from Marquette Road to Old Brandon Road Feasibility Study, MDOT, Rankin County, MS.</b> Served as project manager in charge of traffic forecasts, VISSIM analysis, and conceptual design tasks for a two-mile segment of a suburban arterial.



Firm employed by: Atkins North America, Inc.				
Name	<b>Michael R. Thurmond</b>		Years of relevant experience with this employer	24
Title	Design Engineer		Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization			B.S. / 1998 / Civil Engineering Technology	
Active registration number / state / expiration date			EIT 19334/ Georgia /NA	
Year registered	1998	Discipline	Civil Engineer	
Contract role(s) / brief description of responsibilities			Serve as a design specialist for Utilities.	
<p>Michael Thurmond has 28 years of civil engineering experience and has served as project engineer for numerous sanitary sewer and water main, rehabilitation, and utility relocation projects with pipe sizes ranging from 6 inches to 42 inches and construction costs from \$50,000 to \$5 million. His primary responsibilities have included plan preparation, project design, preparation of permit applications, and easement plat preparation. He has also participated in the design of sanitary sewer projects, sidewalks, and other projects. Mr. Thurmond coordinates with other engineering firms involved in county and state department of transportation projects. He has been involved in the design of projects for the Cherokee County Water &amp; Sewerage Authority, Marietta Board of Lights and Water, Newton County Water and Sewerage Authority, City of Covington, Paulding County Public Works Department, the City of Thomaston, and the Etowah Water and Sewer Authority.</p>				
05/2016-Present	<p><b>Richland Creek Water Supply Transmission Main and Booster Pump Station, Paulding County, GA.</b> Designer. This project involved the design and bid of approximately 3,600 LF of 48-inch DIP water main and 65,300 LF of 36-inch DIP water main. This project allows Paulding County to become self-sufficient in providing and distributing its own potable water to residents and not be subject to cost increases by other water sources. This project, in addition to the new WTP and reservoir, will add security to residents by adding this potable water supply while maintaining a redundant source of water from the Cobb County Marietta Water Authority.</p>			
12/2014-2/2016	<p><b>Holly Springs Sanitary Sewer, Cherokee County Water &amp; Sewerage Authority, Cherokee County, GA.</b> Plan preparation, easement preparation. This project consisted of approximately 4,500 linear feet of 8 inch sanitary sewer and 5,000 linear feet of 6 inch force main.</p>			
2/2018-Present	<p><b>State Route 20 Widening Water and Sanitary Sewer Relocation, City of Canton, Canton, GA.</b> Project engineer. This project involved water and sewer relocation in conjunction with Georgia DOT road widening work along State Route 20. This project consisted of the relocation of 5,060 linear feet of 20 inch water main and 2,650 linear feet of 8 inch water main. Project tasks included coordination with Georgia DOT regarding submittal of water and sewer relocation plans for bid within Georgia DOT road project, easement plat preparation, Georgia Utilities encroachment permit application, record drawing preparation of water and sanitary sewer facilities.</p>			



5/2018-2/2020	<b>Sanitary Sewer Rehabilitation, Marietta Board of Light and Water (BLW), Marietta, GA.</b> Project engineer. Provided engineering and construction management services to replace/repair aging gravity sanitary sewer lines. The open cut sections of the project included portions of the system, which were back-graded, too shallow, aerial over creeks or under-sized. Construction included 240 linear feet of 18-inch concrete pipe burst to 24-inch HOPE; 1,480 linear feet of pipe burst from 12-inch to 12-inch HDPE; 1,060 linear feet of pipe burst 8-inch to 10-inch HOPE; and 1,280 linear feet of 8-inch to 8-inch HDPE. Rehabilitated sanitary sewer manholes. Removed 6-inch VCP and replaced with 8-inch DIP open cut and 22 standard manholes.
-09/2019	<b>SR 92 Widening Utilities Relocation Design Services, Paulding County, GA.</b> Project engineer. This project involved water and sewer relocation design services for the widening of 5.6 miles of roadway. Tasks entail inspecting the work for compliance with contract, plans, and specifications. Addresses issues in the field and works with Paulding County Water Department to develop solutions to meet field conditions.
10/2015-01/2017	<b>Old Ball Ground Sanitary Sewer Replacement, City of Canton, GA.</b> Project engineer. Provided engineering and construction management services for the Old Ball Ground Road Sanitary Sewer Replacement project. The project primarily consisted of the installation of 6,000 linear feet of new parallel 30-inch and 24-inch sanitary sewer next to the existing 15-inch sanitary sewer, 800 linear feet of 16-inch ductile iron pipe (DIP) force main parallel to an existing 16-inch force main and 1000 linear feet of new 8-inch DIP water main to replace the existing 6-inch water main. Most of the project was installed by the open cut method next to the environmentally sensitive Etowah River. One section included a 300-linear feet bore with a 48-inch steel casing and 30-inch DIP sanitary sewer down the middle of a short service road with low power lines that could not be open cut 25 foot deep.
2010-Present	<b>Cities of Smyrna, Powder Springs, Marietta, and Thomaston Stormwater Management Plans, throughout Georgia.</b> Assisted in the preparation of stormwater master plans including collecting data, performing monitoring for illicit discharge detection, and preparing the annual stormwater management reports that are required under their municipal separate stormwater sewer system (MS4) discharge permit compliance.

Firm employed by: Atkins North America, Inc.				
Name	Steve D. Bohuslav		Years of relevant experience with this employer	18
Title	Design Engineer		Years of relevant experience with other employer(s)	17
Degree(s) / Years / Specialization			B.A. / 1984 / Marketing	
Active registration number / state / expiration date			0478786 / Texas / 07-31-2022	
Year registered	2001	Discipline	Real Estate	
Contract role(s) / brief description of responsibilities			Serve as a specialist for evaluating and estimating ROW	
Steve Bohuslav has 35 years of experience in the field of acquisition, relocation assistance, eminent domain, and property management. Included in this experience is 12 years of employment with Texas Department of Transportation (TxDOT) performing multidisciplinary tasks and serving as the local public agency coordinator. In his role with TxDOT, Mr. Bohuslav was responsible for oversight of county and city right-of-way acquisition to ensure compliance with the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. His current responsibilities at Atkins include participation in and oversight of projects involving all right-of-way activities.				
01/2022 – to present	John Hayes Street, Camino Real Regional Mobility Authority (CRRMA), El Paso, TX. Project manager for oversight of acquisition and relocation assistance activities for 11 parcels for the improvement of John Hayes Street in El Paso, Texas. The project includes acquisition of fee simple and temporary construction easement interests. The project had federal funding, so all ROW activities are performed according to Uniform Act standards and involved oversight by TxDOT, El Paso District.			
09/2021 – to present	IH 35 – From FM 1103 to Guadalupe River, San Antonio District – TxDOT, New Braunfels, Tx. Project Manager responsible for oversight of all right of way activities for the acquisition along IH 35 of 16 parcels in Comal County. Duties included working closely with TxDOT ROW PM and supervising staff to negotiate all parcels and offer relocation assistance services for eligible parties. All activities were performed according to Uniform Act requirements. Majority of acquisitions were heavily commercialized businesses.			
07/2021 – to present	IH 35 – From Guadalupe River to Hays County Line, San Antonio District – TxDOT, New Braunfels, Tx. Project Manager responsible for oversight of all right of way activities for the acquisition along IH 35 of 9 parcels in Comal County. Duties included working closely with TxDOT ROW PM and supervising staff to negotiate all parcels and offer relocation assistance services for eligible parties. All activities were performed according to Uniform Act requirements. Majority of acquisitions were heavily commercialized businesses.			
01/2022 – to present	IH 410 @San Pedro, San Antonio District – TxDOT, San Antonio, Texas. Project Manager responsible for oversight of all right of way activities for the acquisition along IH 35 of 17 parcels in Bexar County. Duties			

	included working closely with TxDOT ROW PM and supervising staff to negotiate all parcels and offer relocation assistance services for eligible parties. All activities were performed according to Uniform Act requirements. Majority of acquisitions were heavily commercialized businesses
10/2010-10/2014	<b>North Tarrant Express, TDOT, Strategic Projects Division, Tarrant County, TX.</b> Project manager. Assisted with oversight of the acquisition of more than 450 parcels and utility relocations through more than 90 separate agreements on this 13-mile, \$2.05 billion concession public-private partnership project. Responsibilities included cost estimating, acquisition, relocation assistance, title review, closing services, eminent domain, and property management. Led the oversight of the entire spectrum of right-of-way specialties, performing all activities in conformance with the Uniform Act; Senate Bill 18; and all other applicable laws, rules, and regulations. Assisted in the review and development of critical disclosure analysis language for design-build and concession projects.
02/2010-11/2013	<b>Dallas/Fort Worth Connector, TDOT, Strategic Projects Division, Dallas, TX.</b> Project manager. Oversaw the acquisition of nearly 100 parcels and the relocation of utilities through 76 separate agreements on 8 miles of a highly urbanized transportation corridor.
02/2015 – to present	<b>Harbor Bridge Project (US 281) – Corpus Christi District, TxDOT, Corpus Christi, Texas.</b> Project Manager for oversight of Developer's right of way consultant for the acquisition of 99 parcels for the construction of the new harbor bridge in Corpus Christi, Tx. Oversight included coordination with Developer and Developer's right of way Project Manager and reporting progress to the Corpus Christi District. All activities were performed according to the Uniform Act and included eminent domain activities and complex relocation of Port tenants.
11/2019 – 03/2022	<b>IH 35 NEX, San Antonio District – TxDOT, San Antonio, Texas –</b> Project Manager responsible for oversight of all right of way activities for the acquisition along IH 35 of 106 parcels in Bexar, Guadalupe and Comal Counties. Duties included working closely with TxDOT ROW PM and supervising staff to negotiate all parcels and offer relocation assistance services for eligible parties. All activities were performed according to Uniform Act requirements. Eminent Domain was used for approximately 35% of the parcel acquisitions and worked closely with the Assistant Attorney General and staff to coordinate condemnation hearings. Majority of acquisitions were heavily commercialized businesses.
01/2018 – 12/2019	<b>Elroy Road Project, Central Texas Regional Mobility Authority (CTRMA), Austin, TX.</b> Project Manager for oversight of acquisition of 16 parcels near the Circuit of Americas (COTA) facility in northeast Austin. The project ROW was acquired according to Travis County and Uniform Act guidelines. Eminent domain was required on a limited number of parcels necessitating coordination with Travis County attorneys and the County's ROW Administrator. Parcel acquisition included complex negotiations with land developers, COTA representatives, and individual property owners.



**17. Firm Experience:**

Firm name	TriCoeur Services, L.L.C.		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	I-10: LA 415 to Essen on I-10 and I-12 PHASE 1: West Of Washington Street To Essen		Firm responsibility (prime or sub?)	Sub
Project number	Project No.: H.004100.5	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	02/21	Total consultant contract cost (\$1,000's)		75
Services completed by this firm	02/21	Cost of consultant services provided by this firm (\$1,000's)		38

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

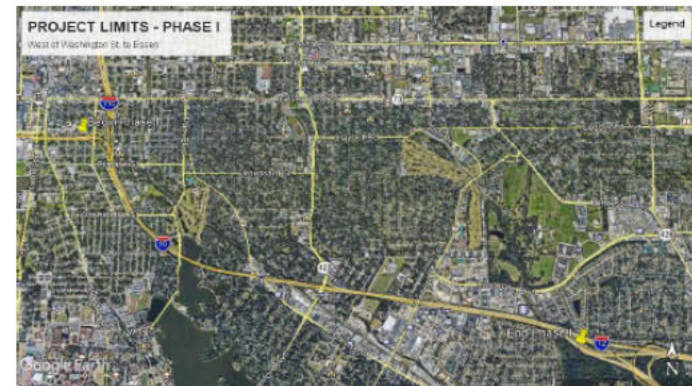
A VE Workshop was facilitated by Atkins/TriCoeur along with team members from Atkins, TriCoeur and LaDOTD over a Virtual Value Engineering Workshop setting. The VE Workshop activities were undertaken during the week of February 08th – 12th, 2021. The subject of the study was the I-10: LA 415 to Essen on I-10 and I-12; PHASE 1: WEST OF WASHINGTON STREET TO ESSEN LANE; S.P. No. H.004100.5.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$715 million.

During the course of the VE workshop, the team developed 30 VE Alternatives and 29 Design Suggestions. In addition, 29 Alternatives were thoroughly explored, and it was found that they were neither cost effective nor technically feasible. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value. It was estimated that between \$60 and \$75 million in value addition might be reasonable to expect from the implementation of these alternatives.

**Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (TriCoeur)  
 Barry P. Gahagan, PE – VE Structural Team Member (TriCoeur)  
 Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)  
 Praveen Ommi, CEP, VMA – Quality Control (Atkins)  
 Aileen Foley, CPA – Administrative (TriCoeur)





Firm name	TriCoeur Services, L.L.C.		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	I-10 Overpass over US 165 & MP R.R		Firm responsibility (prime or sub?)	Sub
Project number	Project No.: H.002980.5	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	05/21	Total consultant contract cost (\$1,000's)		54
Services completed by this firm	05/21	Cost of consultant services provided by this firm (\$1,000's)		38

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

A VE Workshop was facilitated by Atkins/TriCoeur along with team members from Atkins, TriCoeur and LaDOTD over a Virtual Value Engineering Workshop setting. The VE Workshop activities were undertaken during the week of May 10<sup>th</sup> – 14<sup>th</sup>, 2021. The subject of the study was the I-10 Overpass over US 165 & MP R.R; S.P. No. H.002980.5.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$53 million.

During the course of the VE workshop, the team developed 17 VE Alternatives and 14 Design Suggestions. In addition, 16 Alternatives were thoroughly explored and it was found that they were neither cost effective nor technically feasible. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value. It was estimated that about \$4 million in cost avoidance might be reasonable to expect from the implementation of these alternatives.

#### **Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (TriCoeur)  
Barry P. Gahagan, PE – VE Structural Team Member (TriCoeur)  
Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)  
Praveen Ommi, CEP, VMA – Quality Control (Atkins)  
Aileen Foley, CPA – Administrative (TriCoeur)





Firm name	TriCoeur Services, L.L.C.		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	I-20 MRB At Vicksburg Overlay And Rehab		Firm responsibility (prime or sub?)	Sub
Project number	Project No.: H.012739.5	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	10/18	Total consultant contract cost (\$1,000's)		54
Services completed by this firm	10/18	Cost of consultant services provided by this firm (\$1,000's)		8

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

A VE Workshop was facilitated by Atkins/TriCoeur along with team members from Atkins, TriCoeur and LaDOTD at the LaDOTD Head Quarters in Baton Rouge and included a site visit to Vicksburg. The VE Workshop activities were undertaken during the week of October 15<sup>th</sup> - October 19<sup>th</sup>, 2018. The subject of the study was the I-20 MRB At Vicksburg Overlay And Rehab", State Project H.012739.5; Federal Project H012739.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$44 million.

During the course of the VE workshop, the team developed Twenty (20) Design Alternatives (some mutually exclusive) that offer an estimated four million dollars (\$4 Million) in potential first cost value additions to be considered for implementation. These alternatives were selected as being reasonable considerations for incorporation in the design. There were also Nine (9) Design Suggestions that offer measures to simplify construction, provide various means for reducing costs (in these cases the savings are hard to quantify), may help to improve the operational requirements for the facility, and reduce the construction duration. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value in addition to mitigating risks.

#### **Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (Atkins)

Barry P. Gahagan, PE – VE Structural Team Member (TriCoeur)

Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)

Praveen Ommi, CEP, VMA – Quality Control (Atkins)

Aileen Foley, CPA – Administrative (TriCoeur)





Firm name	TriCoeur Services, L.L.C.		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	Macarthur Interchange Completion Phase II Jefferson Parish, LA		Firm responsibility (prime or sub?)	Sub
Project number	Project No.: H.011309	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	07/18	Total consultant contract cost (\$1,000's)		54
Services completed by this firm	07/18	Cost of consultant services provided by this firm (\$1,000's)		7

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

A VE Workshop was facilitated by Atkins/TriCoeur along with team members from Atkins, TriCoeur and LaDOTD at the LaDOTD Head Quarters in Baton Rouge and included a site visit to New Orleans. The VE Workshop activities were undertaken during the week of July 9<sup>th</sup> - July 13<sup>th</sup>, 2018. The subject of the study was the "MACARTHUR INTERCHANGE COMPLETION PHASE II", State Project H.011309; Federal Project H011309.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$59 million.

During the course of the VE workshop, the team developed Thirty (30) Design Alternatives (some mutually inclusive) that offer an estimated three million dollars (\$3 Million) in potential first cost savings to be considered for implementation. These alternatives were selected as being reasonable considerations for incorporation in the design. There were also Eleven (11) Design Suggestions that offer measures to simplify construction, provide various means for reducing costs (in these cases the savings are hard to quantify), may help to improve the operational requirements for the facility, and reduce the construction duration. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value.

#### **Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (Atkins)

Barry P. Gahagan, PE – VE Structural Team Member (TriCoeur)

Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)

Praveen Ommi, CEP, VMA – Quality Control (Atkins)

Aileen Foley, CPA – Administrative (TriCoeur)





Firm name	TriCoeur Services, L.L.C.		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	LA 1 / I-10 Connector		Firm responsibility (prime or sub?)	Sub
Project number	Project No.: H.005121	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	03/16	Total consultant contract cost (\$1,000's)		50
Services completed by this firm	03/16	Cost of consultant services provided by this firm (\$1,000's)		7

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

A VE Workshop was facilitated by Atkins/TriCoeur along with team members from Atkins, TriCoeur and LaDOTD at the LaDOTD Head Quarters in Baton Rouge and included a site visit. The VE Workshop activities were undertaken during the week of March 14<sup>th</sup> - 18<sup>th</sup>, 2016. The subject of the study was the "LA 1 / I-10 Connector", S.P. No. H.005121.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$115 million.

During the course of the VE workshop, the team developed Twenty-three (23) Design Alternatives (some mutually inclusive) that offer an estimated ten million dollars (\$10 Million) in potential first cost savings to be considered for implementation. These alternatives were selected as being reasonable considerations for incorporation in the design. There were also Twelve (12) Design Suggestions that offer measures to simplify construction, provide various means for reducing costs (in these cases the savings are hard to quantify), may help to improve the operational requirements for the facility, and reduce the construction duration. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value.

#### **Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (Atkins)  
Charles R. McDuff, PE, CVS-Life – VE Co-Facilitator (Atkins)  
Barry P. Gahagan, PE – VE Structural Team Member (TriCoeur)  
Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)  
Praveen Ommi, CEP, VMA – Quality Control (Atkins)  
Aileen Foley, CPA – Administrative (TriCoeur)









Firm name	ATKINS		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	LA 1 Improvements from Leeville to Golden Meadow (Phase 2)		Firm responsibility (prime or sub?)	Prime
Project number	Project No.: H.008145	Owner's name	LaDOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	08/14	Total consultant contract cost (\$1,000's)		67
Services completed by this firm	08/14	Cost of consultant services provided by this firm (\$1,000's)		67

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

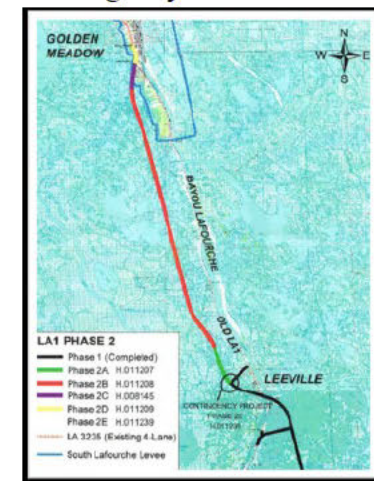
A VE Workshop was facilitated by Atkins along with team members from Atkins, and LaDOTD at the LaDOTD Head Quarters in Baton Rouge and included a virtual site visit. The VE Workshop activities were undertaken during the week of August 24<sup>th</sup> - 29<sup>th</sup>, 2014. The subject of the study was the "LA 1 from Leeville to Golden Meadow (Phase 2)", S.P. No. H.008145.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$266 million.

During the course of the VE workshop, the team developed 11 Alternatives and 26 Design Suggestions. In addition, 6 alternatives were thoroughly explored and it was found that they were neither cost effective nor technically feasible. It was estimated that between \$15 and \$30 million in cost savings might be reasonable to expect from the implementation of these alternatives. The Design Suggestions offer measures to simplify construction, provide various means for reducing costs (in these cases the savings are hard to quantify), may help to improve the operational requirements for the facility, and reduce the construction duration. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value.

#### **Consultant Team Members:**

Ramesh Kalvakaalva, PE, CVS – VE Facilitator (Atkins)  
Charles R. McDuff, PE, CVS-Life – VE Co-Facilitator (Atkins)  
Kevin Martin, Esq. – VE Construction Team Member (Atkins)  
Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)  
Collin Seaman - VE Structural Team Member (Atkins)  
Glenn Brown - VE Roadway/Traffic Team Member (Atkins)  
Praveen Ommi, CEP, VMA – Quality Control (Atkins)





Firm name	ATKINS		Past Performance Evaluation Discipline(s)*	Value Engineering
Project name	Almonaster Bridge over Inner Harbor Navigation Canal, Bridge Replacement		Firm responsibility (prime or sub?)	Prime
Project number	Project No.: H.007250	Owner's name	LaDOTD / Port of New Orleans	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Mr. Charles Nickel, PE
Owner's address, phone, email	Value Engineering Director, LaDOTD, 1201 Capitol Access Rd, Baton Rouge, LA 70802, Ph: (225) 379-1078; Email: Charles.Nickel@la.gov			
Services commenced by this firm	02/14	Total consultant contract cost (\$1,000's)		60
Services completed by this firm	02/14	Cost of consultant services provided by this firm (\$1,000's)		17

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

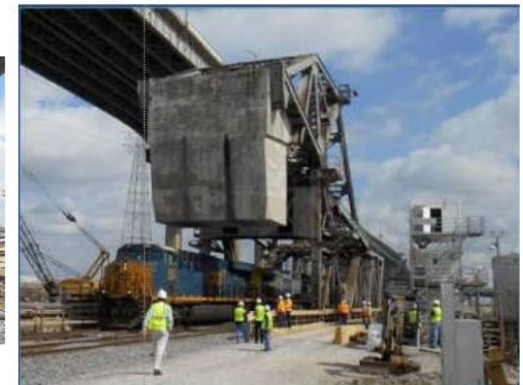
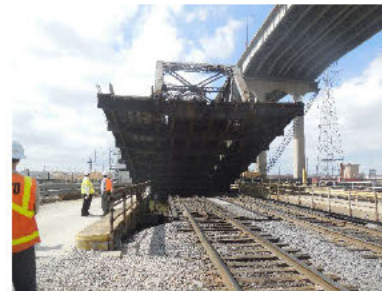
A VE Workshop was facilitated by Atkins along with team members from Atkins, and LaDOTD at the LaDOTD Head Quarters in Baton Rouge and included a site visit to New Orleans. The VE Workshop activities were undertaken during the week of February 17th - February 21<sup>st</sup>, 2014. The subject of the study was the "Almonaster Bridge over Inner Harbor Navigation Canal, Bridge Replacement", S.P. No. H. 007250.

The construction cost estimate indicated that the project would be delivered at a cost of approximately \$60 million.

During the course of the VE workshop, the team developed 13 Alternatives and 23 Design Suggestions. In addition, 4 alternatives were thoroughly explored and it was found that they were neither cost effective nor technically feasible. It was estimated that between \$2 and \$3 million in cost savings might be reasonable to expect from the implementation of these alternatives. The Design Suggestions offer measures to simplify construction, provide various means for reducing costs (in these cases the savings are hard to quantify), may help to improve the operational requirements for the facility, and reduce the construction duration. One of the goals of the VE Team was to identify opportunities through which cost savings might be realized while indicating ways in which the resulting savings might be invested back into the project to realize added value.

#### **Consultant Team Members:**

Charles R. McDuff, PE, CVS-Life – VE Facilitator (Atkins)  
Ramesh Kalvakaalva, PE, CVS – VE Co-Facilitator (MSMM)  
Kevin Martin, Esq.– VE Construction Team Member (Atkins)  
Luke Clarke, PE – VE Roadway/Traffic Team Member (Atkins)  
Praveen Ommi, CEP, VMA – Quality Control (Atkins)



Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	CE&I
Project name	EBR Computerized Traffic Signal, PH VB		Firm responsibility (prime or sub?)	Sub
Project number	H.007160	Owner's name	DOTD	
Project location	East Baton Rouge		Owner's Project Manager	Desmond Sam, PE
Owner's address, phone, email	8100 Airline Highway, Baton Rouge, LA 70815, (225) 231-4123, Desmond.Sam@LA.GOV			
Services commenced by this firm	01/21	Total consultant contract cost (\$1,000's)		603.989
Services completed by this firm	current	Cost of consultant services provided by this firm (\$1,000's)		93.368

Vectura is a sub-consultant to provide traffic signal equipment inspection for 24 traffic signals under the following scope:

1. Signal Equipment Inspection (2 visits per intersection), Tracking the Sampling and Testing of required Traffic Signal Materials / Attend and Review Fiber Optic Test Results
2. Coordinate Review and Approval of all Shop Drawings
3. Provide Traffic Signal Support Services / Troubleshoot traffic signal equipment related problems such as foundation / utility conflicts / Field visits (10 months)
4. Assist in preparing Change Orders for DOTD / City Parish (2 Separate Forms)
5. Attend Monthly Progress Meetings Assist with Monthly Progress Meeting Agenda & Minutes (10)
6. Compile As-built Plans from Contractor
7. Final Inspection Field Visit to all intersections / Assist with developing punch list / Final Field Visit verification



Firm name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic & CE&I
Project name	Belle Chasse Bridge & Tunnel Replacement PPP		Firm responsibility (prime or sub?)	sub
Project number	H.004791	Owner's name	DOTD	
Project location	Belle Chasse, LA		Owner's Project Manager	Nickolas Olivier, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1133, Nicholas.olivier@la.gov			
Services commenced by this firm	04/19	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm	current	Cost of consultant services provided by this firm (\$1,000's)		211.890

Vectura is providing the traffic engineering services for the Belle Chasse Bridge & Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks:

1. Preliminary and final traffic studies
2. Temporary and final traffic signal plans
3. Assist the Prime with Traffic Management Plan (TMP)
4. Response to request for information (RFI's)
5. As-built plans for the traffic signals

## 18. Approach and Methodology:

**TriCoeur, LLC** is pleased to submit this Technical Proposal to provide Statewide Value Engineering (VE) Support Services to LaDOTD (Contract Nos: 4400024147 - 4400024148). For over a decade **TriCoeur** has offered Design services to the LaDOTD and has added Value Engineering (VE) & Cost/Schedule/Risk Assessment (CSRA) as a core service to various clients nationwide and, specifically, to LaDOTD. We have maintained a robust team through the years with Atkins North America, Inc. (Atkins), our longtime partners on similar projects across the nation. The track record of more than 1000 successful VE Studies by the **TriCoeur** Team and its personnel to date brings the advantage and reliability to support LaDOTD in maintaining and strengthening its VE Program.

**Camaraderie:** **TriCoeur** personnel have worked with **Atkins** personnel in the past and, in-turn, interacted with LaDOTD personnel during similar project executions. The inter-resource working relationships will be a great benefit to LaDOTD since **teamwork** is of paramount importance to the **success of such contracts**.

### AWARENESS OF PROJECT ISSUES

We understand the magnitude of Transportation Infrastructure over which LaDOTD has oversight including Road, Rail, Airports, and Marine Traffic. These are vital pieces of Louisiana's economy, be it agricultural, industrial, or tourism based. As the State of Louisiana flourishes in economic prosperity, critical improvements to the existing transportation corridors and new infrastructure construction are imminent. The geographic location of the State makes it a critical region to keep the infrastructure lifeline of the Nation operational. The **TriCoeur** Team understands that meeting infrastructural demand requires innovations and judicious maintenance of project budgets, realizing maximum value from allocated resources. This is what we do best - **help clients get the most out of each dollar spent**.

#### A. Scope of Services

We understand that tasks assigned under this contract will involve applying VE principles on Transportation Projects, Department Standards, Specifications, Processes and may include Training of personnel. Tasks may also include performing CSRA, should the magnitude of the project exceed the LaDOTD/FHWA threshold on construction value. Our execution of the VE tasks will adhere to LaDOTD Standards and SAVE International® promulgated VE principles including the **Six-Step Job Plan**. Our execution of CSRA adheres to the FHWA Cost Estimate Reviews (CER) using their Major Project Program Cost Estimating Guidance, incorporating the best processes into the workshops we **facilitate**. We are aware that Projects

subject to VE may be of the design-bid-build (at the Stage 0 Feasibility, Stage 1 Development of Design Alternatives, or During Stages 2 & 3) or design-build types. Also, we have Facilitated VE & CSRA Workshops as: i) Stand Alone VE Study; ii) Stand Alone CSRA Study; and iii) Combined VE & CSRA Study. Our Facilitators have led VE & CSRA studies with teams that were comprised of: 1) Personnel appointed by the Department; 2) A combination of Personnel appointed by the Department and provided by the Consultant; 3) All Personnel provided by the Consultant.

**VE Training (optional):** For VE Workshops, we have always made the effort to educate the Team Members on the Six-Step Job Plan to generate their interest in the process, thereby ensuring productivity. Our VE Facilitators are SAVE International® Certified VMF1 and VMF2 trainers, have conducted numerous Training Workshops and can provide this opportunity to LaDOTD Team Members as part of a VE Study or standalone sessions. We can also guide Team members through the process of VMA & CVS certification, if desire and provide **Team Leader** training.

### APPROACH TO PROJECTS

**TriCoeur** delivers the best results for our clients by sheer merit and the passion to exercise our competencies. With this underlying principle, our vision has realized success, as testified by numerous satisfied repeat clients nationwide. This passion, with a combination of **aptitude & attitude**, will bring added value to LaDOTD on this Value Engineering contract. The **TriCoeur** Team Difference is highlighted above.

#### A. Approach To Project Issues

**Experienced Lead Facilitator(s):** Ramesh Kalvakaalva, brings 32+ years of experience not only inclusive of Facilitating VE and CSRA but also of his involvement on various Roadway/Bridge/Rehabilitation projects from Concept through Design & Construction adhering to various DOT's **Plan Development Processes**. The supporting VE Leads, **Charles McDuff** and **David Hamilton**, also have similar backgrounds on DOT Projects nationwide. All three dedicated VE Leads are nationally recognized and have received awards and recognition for their work: ACI Georgia Chapter Award for Ramesh's innovative Bridge Design, Charles' **Fellowship** in SAVE International® and David's FHWA award for VE and Cost Risk

#### THE TriCoeur TEAM DIFFERENCE

1. Criteria for Team Member selection
2. Emphasis on Function Analysis
3. Innovative Analytical Methods
4. Wealth of resources for flexibility
5. Capable of forming multiple teams at short notice
6. Emphasis on Function Analysis



Assessment on a GDOT project. Adding depth to the VE Leadership is Les Thomas, to be called upon as required. While all of them are well rounded in experience, their assignments to Facilitate VE Studies will be tailored to their specific expertise on **Roadway, Bridge, Traffic or Construction** sensitive projects. **TriCoeur's** focused VE and CSRA Facilitation practice has provided these services to numerous transportation clients including: LaDOTD, FDOT, GDOT, TxDOT, CDOT, WYDOT, NCDOT, SCDOT, FHWA, FTA, USACE, CALTRANS, LA METRO, and NYC-OMB.

**Atkins** is a major partner dedicating a depth of **regional technical staff** specialized in transportation and construction providing access to **subject matter experts (SMEs)** with project experience from all over the country. **Vectura** personnel provide further depth to the team on Traffic aspects. The **TriCoeur** team's approach to VE studies is founded on the premise that the goal is to **Improve Value**, which does not always translate to reduced cost. This improvement results from professionally facilitated application of the VE Job Plan, to optimize the relationship between **Cost, Function, and Quality** to meet the client's and stakeholders' goals and objectives. All VE studies will be conducted in accordance with standards established by **SAVE International®**, while also meeting the specific requirements set forth by LaDOTD and/or FHWA. This approach has proven to be an effective tool in achieving VE goals of numerous agencies. We bring a highly **effective VE process** and the most technically qualified staff to focus on identifying alternatives related to **specific project issues**. Identifying and evaluating many ideas to select the best, reduces costs, minimizes ROW acquisitions, eliminates utility conflicts, expedites delivery, and minimizes environmental impacts, without compromising **safety and quality**. Our **facilitators** are highly effective at executing this process due to their mastery of the subjects.

As staunch believers and supporters of the Six-Step VE job plan, **TriCoeur's** CVS Facilitators are best prepared to customize the process for a specific VE study. Each project has its own unique goals, objectives, constraints, and challenges, and various stakeholders driving those interests. These distinctive characteristics often demand **adapting VE tools**. In the past, where competing interests were strong influences, we created an **evaluation matrix** for the team to measure each idea relative to both the function(s) supported and the effect(s) on **performance criteria**.

The experience of our Facilitators allows us to evaluate projects that may be suitable for an Alternate Design/Construction method. Additionally, we encourage the VE Team to incorporate tried and tested **innovations** in Design/Construction methods from individual experiences. We keep abreast

of the state-of-the-art and ever evolving infrastructure industry standards. High Risk factors requiring advanced mitigation or other potential constraints are focused upon. Projects in dense Urban areas with premium property acquisition requirements are evaluated by our Right-of-Way experts for Alternate acquisition techniques. MOT Is another challenge that our VE Team Constructability experts evaluate and help overcome.

**TriCoeur** presents results in a fashion that encourages all stakeholders to consider alternatives as tools crafted specifically to help achieve desired project goals including cost containment, minimization of life cycle costs and **enriching functionality and end user experiences**.

## **B. Approach To Project Process**

Our **innovative techniques** and standardized templates are utilized at various stages of the six-step Job Plan to streamline the execution of the VE Workshop and capture the VE Process in an easy-to-read **VE Report**. All processes are made interactive, utilizing visual aids to build camaraderie within the Team during VE Workshops to ensure better results.

**Information Phase:** **Cost Models** are developed during **Pre-Study** efforts by the Facilitators along with Key Project features shared with the VE Team. Information is captured on Flipcharts for continuous display during Workshops. **Site visits** or the use of **Google Earth Pro** for a "fly by" view of the project alignment with provided KMZ files is part of this phase.

**Function Analysis Phase:** By far the most critical process in the six-step Job Plan, it serves as a powerful communications tool that enables VE participants to focus on key project elements. Developing a **Function Analysis System Technique (FAST)** diagram, or **Function Cost/Worth Matrix**, the underlying logic helps the VE Team reach a consensus on project goals and objectives. Our enhanced the creativity process enables the team to brainstorm alternative ways to **perform functions**, as opposed to alternative ways to design a project element. Other **analytical methods** (paired comparisons, matrix evaluations) may also be employed.

**Qualitative or quantitative risk analysis** is an additional tool to help identify high risk functions, and mitigation challenges.

**Creative Ideas Phase:** The large volume of Creative Ideas that emanate from "**Out of the Box**" brainstorming during this session are captured on flip charts or recorded on our electronic templates. The Design experience of our Facilitators is a great advantage here.

**Evaluation Phase:** The Team's Evaluation of the Creative Ideas, using a Ranking Scheme by consensus, or weighted average based on FHWA criteria (Safety; Operations; Construction; Environmental), is captured on the flip charts and template listing the Creative Ideas.

**Mid-point Review:** A meeting with the owners and stakeholders is usually performed at this time as an additional vetting process to ensure that the VE Alternatives are within the project constraints.

**Development Phase:** Customized Word and Excel templates enable the Team members to efficiently develop the highly ranked Creative Ideas (Alternatives/Design Suggestions). **Opportunities & Risks** are clearly described along with technical narratives, illustrations, capital, and life cycle costs developed for comparison with the original Design. The Cost Avoidance (Savings) or Value Addition are clearly listed on the documents.

**Presentation Phase:** The Team presents findings in an informal **Outbrief** to the owners and stakeholders on the last day of the VE Workshop. Concise PowerPoint templates are used to present the Alternatives. The Quantitative (Alternatives) and Qualitative (Design Suggestions) are presented in a Summary of Results table.

The streamlined execution of the VE Workshop enables us to deliver a Draft VE Report within a short duration, usually 7 days following conclusion of the VE Workshop. The multi-step **QA/QC** process that the deliverables undergo is mentioned in the following pages.

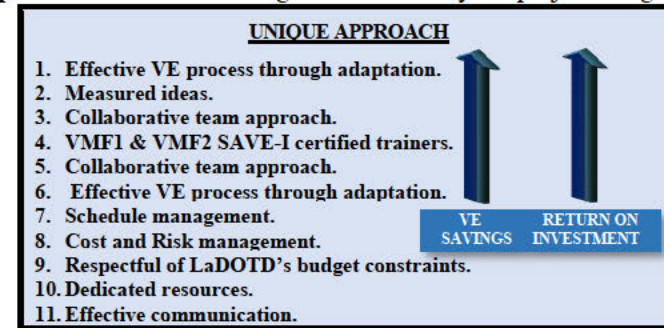
### **C. Technical Approach**

The **TriCoeur Team's personnel** delivered more than 16 VE Studies for LaDOTD between 2012 and 2022. Projects that were the subject of VE included Urban Arterials, Rural Corridors, Interstates, Steel Bridges, Bascule Bridge, and Resurfacing LaDOTD VE Studies the same Team delivered in the past 10 years that include: 1) Almonaster Blvd over IHNC Rolling Lift Bascule Bridge Replacement; 2) I-10 Corridor Improvements from Lafayette to Atchafalaya Bridge; 3) I-10 Corridor Improvements from East Baton Rouge to Gonzalez; 4) LA 1 Phase 2 from Leesville to Golden Meadow; 5) LA 1 – I-10 Connector; 6) Causeway Boulevard Improvements; 7) McArthur Interchange Reconstruction From Harvey Canal to Manhattan Boulevard; West Bank; Jefferson Parish; 8) *I-10: LA 415 (East of Mississippi River Bridge) to Essen Lane on I-10/I-12 split*; 9) *10 Overpass over US 165 & MP R.R., Lafayette, LA.*

**TriCoeur's CVSs** emphasize the importance of **pre-workshop preparation**, including meeting with workshop sponsors and, if appropriate, stakeholders to define goals and objectives. They have a demonstrated ability for listening to all who participate in their workshops, and assimilation into meaningful and useful reports. Our facilitators represent third party neutrality, providing the opportunity for everyone involved to have an equal voice, promoting active involvement of workshop

participants, as opposed to providing answers for them, so that they leave the session with a sense of **pride and ownership of the results**.

**Team Approach:** Our Facilitators guide VE Team members through a **respectful review** of the design as delivered by the project design team, in a



manner that conforms to the VE job plan. From the outset of a VE effort, our CVSs will partner with LaDOTD, its stakeholders, and its project design team to facilitate the most favorable achievement of project goals.

**Key Considerations for Assembling a VE Team:** The depth of our CVS and SME resources enables the **TriCoeur Team** to assemble a VE Team (when called upon to augment LaDOTD VE Team members) quickly from among those that have:

- **Job Knowledge.** Technical skills and relevant experience suited to the subject of the VE study.
- **Availability.** Offices near LaDOTD rendering easy team mobilization.
- **Team Refreshment.** Constructive rotation of team to keep the creative processes open and not repetitive of previous efforts.
- **Lack of Bias.** The prospective team member must not have significant ties to the ongoing design process.
- **Practical.** Ability to deploy the latest technology and innovation in their field but know when something has not proven itself.
- **Life-cycle Savvy.** Awareness of basic life-cycle cost concepts, including life-cycle cost of ownership.

**Risk Registers:** Our Facilitators also create **Risk Registers** when appropriate to identify risks to the project components or Functions. This Risk Register serves as a guide to the VE Team to identify and mitigate Risks via Alternative Design or Construction techniques.

**Cost & Schedule Risk Analysis (CSRA):** Our VE Facilitators are **FHWA** approved to conduct CSRA Workshops. They are well versed in utilizing



the **Monte Carlo** modeling for risk reviews and use of Oracle **Crystal Ball** and other customized resources for modelling and generating reports.

## **PROJECT MANAGEMENT**

### **A. Project Management Approach**

Our designated Contract/Task Order Manager, Barry Gahagan, has an intimate knowledge of LaDOTD's VE Program from past and current experience. He will be in constant communication with the State VE Coordinator (VEC) to ascertain Fiscal Year VE Study requirements to minimize Team response time. Upon being awarded a Task Order, Barry can respond to VE workshop requirements within 5 days. He will coordinate with the VEC to confirm the disciplines, experience, and qualifications of participants, ensuring necessary resources are available to address the technical issues. Our Facilitators will ensure appropriate project documents are available for the Team's use during the VE Workshop.

**Resource Allocation:** We are committed to dedicate the strongest local technical staff to support LaDOTD's VE studies. Our key VE Team members have over 50% availability. Given the depth and strength of our resources, from Facilitators to SMEs, we would be able to easily form multiple teams to respond to simultaneous or back-to-back VE Studies.

**Schedule Management:** From Task Order initiation through VE Report deliverables, Barry will ensure adherence to a set schedule. He will also ensure that appropriate VE Team Member commitments are made through continuous communications with the TriCoeur Team members and coordinate with the LaDOTD VEC.

TriCoeur can conduct the VE studies at LaDOTD facilities, project site, off-site locations, design team's office, our local offices, or via **Virtual Video Conference** based on the preference of the LaDOTD Project Manager. Our PM and identified VE Facilitator will coordinate all logistics of the VE study. Pre-VE workshop and post-workshop activities will primarily be performed from TriCoeur offices.

## **PROJECT STAFFING**

### **A. Staffing Quality and Availability**

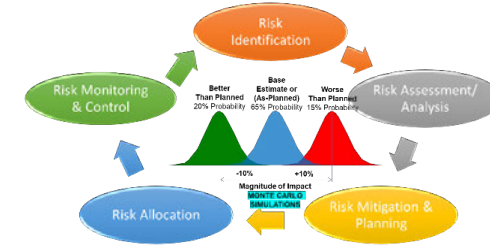
With more than 100 years of combined experience of VE Facilitation, our services will be on par or exceed LaDOTD requirements as detailed in the qualifications listed on their resumes.

**Unmatched Local Resources:** With a large regionally based staff as presented on our Organization Chart, **TriCoeur** has made a conscious commitment to **dedicate the strongest technical staff** possible with the goal of **improving the efficiency** of our VE work under this contract. Prior

LaDOTD project experiences will allow our team to **hit the ground running** and seamlessly integrate with LaDOTD's VE Program.

### **B. Staffing Experience on Similar Projects**

**Resources:** The key to a VE contract of this nature is having a large roster of qualified and experienced personnel in the disciplines needed, so that multiple



qualified teams can be staffed in the required time frames, particularly for concurrent studies. In addition to the technical experts within TriCoeur, Atkins has more than 500 similar professionals in the region who can be engaged if required. Vectura adds additional strength.

**Resources for multiple VE Studies on simultaneous schedules.**

**The TriCoeur Team's PM, and nationally recognized/award winning** Facilitators will monitor the execution and delivery of every Task Order through completion. **Resource commitments and workloads are constantly updated.** The PM will continue to monitor the progress and schedule of the VE report after the completion of each VE Workshop. QC and QA efforts will be concurrent at all appropriate phases.

## **OTHER CONSIDERATIONS**

### **Adaptation Innovative Concepts Including the Use of Technology**

Our **VE process** focuses on identifying alternatives that are extremely useful in the **context of the specific project setting**. We also spend time with the team defining risk mitigation, which is valuable to the project team as they continue with the risk management post-VE.

The **TriCoeur** Team has developed **innovative adaptations** of the VE Process, including **remotely facilitating** and monitoring them, implementation of State-of-the-Art technology, compressing VE Schedules when required, and unique **Team Building Exercises**. With this background and commitment, we are certain that LaDOTD will realize a healthy **Return on Investment** through **TriCoeur's** and its **Team's** capabilities to deliver desirable results on any assigned VE projects. We thank you for considering TriCoeur for this Statewide VE contract. We look forward to a successful collaboration with LaDOTD.

**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, LLC	Bridge	H.013098.5	Off System Bridge Program, Vernon Parish Jim Cryer Road Bridge, Stage 3 – Part IV Final Plans	\$36,914
TriCoeur Services, LLC	Bridge	H.013122.5	Off System Bridge Program, Ouachita Parish Sligo Road Bridges, Stage 3 – Part IV Final Plans	\$7,668
Atkins North America, Inc.	Environmental, Other (Civil)	4400017092	Louisiana Region 6 Watershed Initiative Modeling Services	\$995,512
Atkins North America, Inc.	Environmental, Other (Civil)	4400017067	Louisiana Region 1 Watershed Initiative Modeling Services	\$10,427,250
Atkins North America, Inc.	Other (Value Engineering), Road, Traffic, Environmental, Bridge,	4400010500	VE Studies Statewide	\$67,150
Vectura Consulting Services, LLC	Traffic	H.010616	I-20: LA 544 Overpass Replacement	\$4,959



Vectura Consulting Services, LLC	Traffic	H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	\$52,436
Vectura Consulting Services, LLC	Traffic	H.005168.2	New Orleans Rail Gateway Avondale EA	\$228,799
Vectura Consulting Services, LLC	CE&I	H.007160	EBR Computerized Traffic Signal, Ph VB	\$61,450
Vectura Consulting Services, LLC	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$21,999
Vectura Consulting Services, LLC	Traffic	H.012030.5	KCS RR Overpasses HBI	\$28,026

(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:

CVS & VMA (formerly AVS) licenses of key personnel.

### Ramesh Kalvakaalva, PE, CVS



### Charles R. McDuff – CVS-Life



### David Hamilton, CVS-Life



### Praveen Omni, CVS-Life





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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**22. Sub-consultant information:**

<b>Firm Name (as registered with Louisiana's Secretary of State)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
Atkins North America, Inc.	445 North Boulevard, Suite 570, Baton Rouge, LA 70802	Aaron W. Autry, VP, Sr Sector Manager Email: aaron.w.autry@atkinsglobal.com	512-342-3227
Vectura Consulting Services, LLC	8000 Innovation Park Drive Baton Rouge, la 70820	Brin Ferlito, PE, PTOE Email: bferlito@vecturacs.com	225.223.6685



**23. Location:**

