

Louisiana Engineer & Surveyor Journal

November 2014

Vol. 17 No. 4



LOUISIANA ENGINEERING AND SURVEYING CENTER

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Ronda Courville, LA Society of Professional Surveyors; Brenda Gajan, LA Engineering Society;
Alan Krouse, President of LA Engineering Foundation;
Donna Sentell, LA Professional Engineering and Land Surveying Board
and Janet Tomeny, American Council of Engineering Companies of LA.

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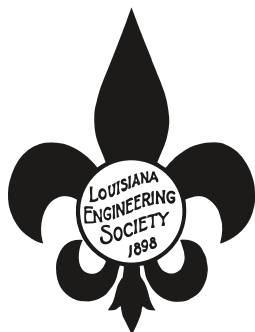
19th LA Joint Engineering
Societies Conference

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LES ADVERTISING RATES

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- 1) Prices quoted apply to camera-ready copy. A one-time charge will be added for composition of an ad, art work, or if changes are made during the contact period.
- 2) All ads must be prepaid. Advertisements with payment should be sent to LES by the 15th of the month preceding month of issue.
- 3) Published quarterly, February, May, August and November.

PUBLICATIONS COMMITTEE

Brenda Gajan, *Managing Editor*

Nancy Donald, *Associate Editor*

Dan Mobley, *Associate Editor*

The Louisiana Engineering Society, the Louisiana Professional Engineering and Land Surveying Board, and the American Council of Engineering Companies of Louisiana do not guarantee the accuracy of statements made or necessarily concur with opinions expressed in the publication.

MESSAGE FROM THE CHAIRMAN

M. Ernest Gammon, Sr. PLS



M. Ernest Gammon, Sr. PLS
Chairman

If you ask any LAPELS Board member what his primary responsibility is, you'll invariably be told that it's to protect the public. Even if this were not mandated by state law, every Board member would still feel a strong obligation to do so.

Protecting the public involves a lot of elements, and it's hard to say that any one of them is more important than another. But one indispensable responsibility is that of enforcing our laws and rules. These regulations were put in place to help ensure that the public is protected from licensees who are incompetent, negligent, unethical, or engage in fraudulent or criminal acts.

While the vast majority of our licensees conduct themselves as true professionals, and scrupulously comply with the laws, rules and ethical standards under which we are expected to practice, we know from experience that there exists a tiny percentage who fail to do so. It is this small group that compels the Board to employ an enforcement staff and to periodically sanction licensees.

Space limitations make it impractical to fully describe in this article the manner in which complaints against licensees are investigated and adjudicated. (Our enforcement staff will be happy to meet with individuals, or with groups, and provide a detailed discussion of the process). But I do want to discuss some basic concepts and describe a recent change in the way we publish information regarding enforcement actions taken by the Board.

Irrespective of the manner in which an alleged violation comes to the attention of the Board, every complaint is investigated. An investigative report is prepared by the

enforcement staff, and a Complaint Review Committee (CRC) comprised of three Board members reviews the report to determine if there is factual evidence to support the allegation. If the complaint is substantiated, sanctions are proposed by the CRC. Proposed sanctions are then discussed with the respondent in an attempt to resolve the issue informally. But irrespective of whether manner in which an enforcement case is concluded (informally or through a formal hearing), no sanction becomes final until voted on by the full Board.

There are three overarching concepts that guide the Board through the enforcement process - *fairness, consistency* and *transparency*.

Fairness means just that – we want to be fair to the Respondent and fair to the public. We are placed in the difficult, and often uncomfortable, position of “sitting in judgment” on matters that involve professional colleagues, some of whom are friends. But we are required to render our decisions impartially and objectively, without bias or favoritism, based on the evidence presented to us.

Consistency is vital to the process, and is tied very closely to the concept of *fairness*. While every case is different, and every case is judged on its specific set of facts, we strive to ensure that sanctions are applied in an evenhanded manner. For example, two PE's who fail to obtain the required number of Continuing Professional Development (CPD) hours can expect to receive comparable sanctions. Similarly, if the Board were to determine that two PLS's have each committed a first-time violation of our *Standards of Practice for Boundary Surveys*, the sanctions they receive from the Board will be equal.

continued on next page

UPCOMING BOARD MEETINGS

Mon/Tues – November 17/18, 2014

Board Members

M. Ernest Gammon, Sr. PLS
Chairman
Theodore H. Thompson, PE
Vice Chairman
John W. 'Billy' Moore, PE
Treasurer
Kevin E. Crosby, PE, PLS
Secretary

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Christopher P. Knotts, PE
Alan D. Krouse, PE
D. Scott Phillips, PE, PLS

Board Staff

Donna D. Sentell
Executive Director
Tyson Ducote
Compliance Investigator
Jeff Morgan
Compliance Investigator
www.lapels.com

Transparency is also an important element, and is indispensable if we want to demonstrate that the process is fair and consistent. If a complaint is filed against you, you'll be told who the complainant is. You'll be made aware of all the evidence gathered by our enforcement staff. If the case involves a formal hearing, you'll be allowed to testify, you'll be allowed to hear any other testimony that is presented, and you'll hear opening and closing arguments presented by your attorney (if you choose to retain one) and by the Board's prosecuting attorney. The only element of a formal hearing to which you won't be privy is the period during which deliberations are undertaken by the Board members after all the evidence and arguments have been presented (just like you wouldn't be allowed to sit in on jury deliberations in a criminal or civil trial).

One additional element that helps us ensure fairness is the licensee's right to appeal a decision made by the Board. As hard as we try to render a just and fair decision, a licensee may feel that the Board's verdict is wrong. The licensee's right to file an appeal, which will be heard in state civil court, is intended to help ensure that an erroneous decision will be reversed.

One additional responsibility that Board members take seriously is that of seeking ways to improve the process that I've outlined above. We have recently taken such a step in response to feedback that we received following the publication of a report in the May, 2014 edition of this *Journal*. The report to which I refer described a licensee's violations and the resultant sanctions imposed by the Board.

In virtually every case in which a licensee is disciplined by the Board, a summary of the case, containing the licensee's name, the nature of the charges, and the sanctions which were imposed, is published in this *Journal*. In the past, these summaries have been lifted verbatim from the "Consent Order" or from the "Final Decision and Order" that the Respondent has signed. This is what we did in May, 2014.

In an effort to help explain Board decisions that might otherwise appear to be unfair and/or inconsistent, we have recently decided that published summaries will include a description of any pertinent previous violations by the Respondent which had a bearing on the sanctions imposed. We hope that this change will serve to further illustrate our commitment to fairness, consistency and transparency.

Serving on the LAPELS Board is often the proverbial "thankless job." But every board member, at some point, allowed his name to be nominated by LES or by LSPS. So we have to accept, and hopefully learn from, any comments, whether positive or negative, that are directed our way.

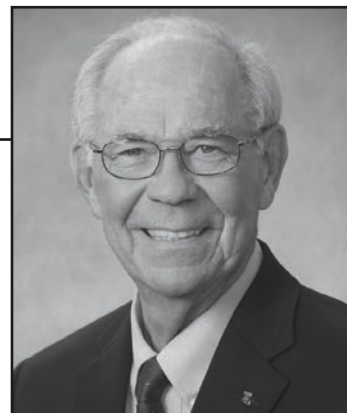
Enforcing the laws and rules is difficult. We strive to do it in a straightforward, unbiased manner, based on the evidence provided to us. But like NFL referees, we're not perfect. So the system has safeguards which enable a licensee to challenge a ruling. And while the review process is not perfectly analogous to an instant replay in football, it serves the same purpose. We'd like to see the game played in such a manner that no penalty flags are ever thrown. But if a flag is tossed, we want to do everything possible to help ensure that we make the right call.

IN MEMORY

The LAPELS office is saddened by the August 19th death of a current board member, Mr. John T. Irving, PE of Minden. Mr. Irving was appointed to the LAPELS board in October 2012 and was a representative from Industry. At the time of his death, he was the Director of Engineering for Cellxion in Bossier City.

He was a graduate of Louisiana Tech University in mechanical engineering. In addition to his work with LAPELS and Cellxion, he enjoyed traveling, spending time with his grandchildren, collecting antique toy trains and supporting the Bulldogs at Tech.

He is survived by his wife, Frances, two daughters and five grandchildren. After a brief illness, he died in his wife's arms on their 54th wedding anniversary.



John T. Irving, PE

DISCIPLINARY AND ENFORCEMENT ACTIONS

Tyson Ducote, Compliance Investigator
Jeff Morgan, Compliance Investigator



Tyson Ducote
Compliance Investigator

The Board continues to investigate alleged violations of the laws and rules which regulate the practice of engineering and land surveying in Louisiana. Substantiated violations result in disciplinary or enforcement action being taken either through a Consent Order or by Board Decision following a formal hearing at which the respondent is adjudged guilty of one or more violations. Below is a summary of the disciplinary/enforcement actions taken by the Board since the previous issue of the Journal.

LICENSURE APPLICATION VIOLATIONS:

Robert C. Stewart, a land surveyor intern (LSI-597), was subject to disciplinary action by the Board for committing fraud, deceit and perjury, making material misstatements and giving false and forged evidence in applying for a license in violation of La. R.S. 37:698(A)(1). In 2013, Mr. Stewart knowingly and intentionally forged the contents of and forged the signatures on numerous documents which he submitted to the Board in connection with his application for licensure. Additionally, during the same process Mr. Stewart knowingly and intentionally included false employment history information on numerous documents which he submitted to the Board in connection with his application. Mr. Stewart has entered into a Consent Order with the Board, wherein he admitted to the referenced violations of the above laws/rules and agreed to the revocation and immediate return of his Louisiana land surveyor intern certificate; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

SEALING VIOLATIONS:

Stephen P. Flynn, PLS, a professional land surveyor (PLS-4668), was subject to disciplinary action by the Board for either (a) failing to properly seal and sign land surveying documents that have been issued by the licensee to a client as completed work in violation of La. R.S. 37:698(A)(6), *to wit* LAC Title 46:LXI§2701(A)(4)(a)(ii), or (b) failing to place the appropriate disclaimer on preliminary documents, along with the licensee's name, licensure number and firm name in violation of La. R.S. 37:698(A)(6), *to wit* LAC Title 46:LXI§2701(A)(4)(b)(i). In 2010 and 2012, Mr. Flynn prepared and issued to his client two sets of land surveying documents for property located in Louisiana which did not contain either his Louisiana professional engineer seal and signature or the requisite preliminary work disclaimer. Mr. Flynn has entered into a Consent Order with the Board, wherein he admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$1,000; to pay administrative costs of \$533.12; to successfully complete the Board's online Louisiana Laws and Rules Quiz; to successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; and to the publication of the Consent Order on

the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

UNLICENSED OFFER AND/OR PRACTICE OF ENGINEERING OR LAND SURVEYING:

MDM Services, Inc. of Louisiana, an unlicensed firm which subsequently became licensed effective September 23, 2013 (EF-5397), was subject to enforcement action by the Board for practicing and/or offering to practice engineering in Louisiana without proper licensure in violation of La. R.S. 37:681 and 37:700(A)(1) and (9), *to wit* LAC Title 46:LXI§2301(B). Between September 2008 and August 2013, the firm admittedly provided and offered to provide engineering services on 20 projects in Louisiana. The firm has entered into a Consent Order with the Board, wherein it admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$2,500; to pay administrative costs of \$211.93; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

Petro Land Services South, LLC, an unlicensed firm, was subject to enforcement action by the Board for practicing and/or offering to practice engineering and land surveying and using the words "engineer", "engineering", "land surveyor" or "land surveying" or any modification or derivative thereof in a person's name or form of business or activity in Louisiana without proper licensure in violation of La. R.S. 37:681 and 37:700(A)(1), (7) and (9), *to wit* LAC Title 46:LXI§2301(B). In 2013, the firm admittedly provided land surveying services on 3 projects in Louisiana. Additionally, in at least 2013, the firm admittedly (a) represented on its website that it was a "pipeline engineering company" and that its services included surveying, (b) conducted business in Louisiana and (c) maintained an office in Louisiana. The firm has entered into a Consent Order with the Board,



Jeff Morgan
Compliance Investigator

wherein it admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$1,000; to pay administrative costs of \$1,018.77; to immediately cease and desist the practicing of and/or offering to practice engineering and land surveying and the use of the words "engineer", "engineering", "survey", "surveyor" and "surveying" or any modification or derivative thereof in conjunction with its name or in describing or promoting its business or activities in Louisiana until such times as it is duly licensed by the Board; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

PRACTICE WITH AN EXPIRED LICENSE:

NewFields Environmental & Engineering, LLC, a professional engineering firm (EF-3744), was subject to disciplinary action by the Board for practicing and offering to practice engineering in Louisiana with an expired license in violation of La. R.S. 37:698(A)(9) and (16). The firm's license was in an expired status from April 1, 2008 through September 16, 2013 and during this time period the firm practiced and offered to practice engineering in Louisiana by admittedly offering to provide engineering services in Louisiana and providing engineering services on approximately 38 projects in Louisiana. The firm has entered into a Consent Order with the Board, wherein it admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$3,450; to pay administrative costs of \$440.75; to pay past unpaid renewal fees of \$510; to have its supervising professional successfully complete the Board's online Louisiana Laws and Rules Quiz; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

Smith Engineering Co., Inc., a professional engineering firm (EF-1626) and professional land surveying firm (VF-384), was subject to disciplinary action by the Board for practicing and offering to practice engineering and land surveying in Louisiana with expired licenses in violation of La. R.S. 37:698(A)(9) and (16). The firm's professional engineering license was in an expired status from October 1, 2009 through February 9, 2014 and during this time period the firm practiced and offered to practice engineering in Louisiana by admittedly offering to provide engineering services in Louisiana and providing engineering services on approximately 393 projects in Louisiana. The firm's professional land surveying license has been in an expired status since October 1, 2009 and during this time period the firm practiced and offered to practice land surveying in Louisiana by admittedly offering to provide land surveying services in Louisiana and providing land surveying services on approximately 109 projects in Louisiana. Additionally, during at least a portion of the time between October 1, 2009 and February 9, 2014 the firm advertised itself in the Real Yellow Pages in Louisiana under the headings "Engineers-Consulting" and "Surveyors-Land". The firm has entered into a Consent Order with the Board, wherein it admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$5,000; to pay administrative costs of \$582.62; to pay past unpaid renewal fees of \$990.00;

to immediately cease and desist the practicing of and/or offering to practice land surveying in Louisiana until such time as its expired Louisiana land surveying firm license is renewed; to have each of its supervising professional successfully complete the Board's online Louisiana Laws and Rules Quiz; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

AIDING OR ASSISTING ANOTHER PERSON IN VIOLATING LAWS/RULES OF THE BOARD:

Richard R. Morris, PE, a professional engineer (PE-21957), was subject to disciplinary action by the Board for aiding or assisting another person in violating the laws and/or rules of the Board in violation of La. R.S. 37:698(A)(12). Between September 2008 and August 2013, MDM Services, Inc. of Louisiana, an unlicensed firm, admittedly provided and offered to provide engineering services on 20 projects in Louisiana. The firm subsequently became licensed effective September 23, 2013 (EF-5397). Mr. Morris was an employee and the Vice President of the firm. Mr. Morris is now the supervising professional of the firm. Mr. Morris has entered into a Consent Order with the Board, wherein he admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$1,000; to pay administrative costs of \$219.43; to successfully complete the Board's online Louisiana Laws and Rules Quiz; to successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

James O. Kendrick, III, PE, a professional engineer (PE-30760), was subject to disciplinary action by the Board for aiding or assisting another person in violating the laws and/or rules of the Board in violation of La. R.S. 37:698(A)(12). Between April 1, 2008 and September 16, 2013, NewFields Environmental & Engineering, LLC's professional engineering firm license was in an expired status and the firm practiced and offered to practice engineering in Louisiana by admittedly offering to provide engineering services in Louisiana and providing engineering services on approximately 38 projects in Louisiana. Mr. Kendrick was an employee and the supervising professional of the firm. Mr. Kendrick has entered into a Consent Order with the Board, wherein he admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$2,000; to pay administrative costs of \$293.57; to successfully complete the Board's online Louisiana Laws and Rules Quiz; to successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

MULTIPLE LAWS/RULES VIOLATIONS:

Desmond C. Sprawls, PE, PLS, a professional engineer (PE-15665) and professional land surveyor (PLS-4382), was subject to disciplinary action by the Board for failing to

avoid and properly disclose a known or potential conflict of interest in connection with the practice of engineering in Louisiana (which also constituted gross misconduct) in violation of La. R.S. 37:698(A)(2) and La. R.S. 37:698(A)(6), *to wit* LAC Title 46:LXI§2507(A) and (B). In 2012, Mr. Sprawls prepared for his client a site development plan and related rezoning application for an office park in Louisiana, and then billed and received payment from the client for those services. In 2013, Mr. Sprawls participated (as an appointed member of a local planning commission in Louisiana) in the consideration of the client's plan during the commission's public hearing, voted to approve the client's plan during the hearing, and failed to inform the other members of the commission, the public or his employer prior to or during the hearing that he had prepared the plan and rezoning application for the client. Following a formal hearing, the Board issued final findings of fact and conclusions of law and a final decision and order, wherein Mr. Sprawls was found to have committed the referenced violations of the above laws/rules and was assessed the following sanctions: fine of \$1,000; administrative costs of \$6,764.90; order to avoid all conflicts of interest in the practice of engineering and land surveying; and the publication of the Final Findings of Fact and Conclusions of Law and the Final Decision and Order on the Board's website and the printing of a summary of this matter by name in this publication.

BBC Engineering, Inc., A Division of Forte and Tablada, Inc., a professional engineering firm (EF-1115) and professional land surveying firm (VF-180), was subject to disciplinary action by the Board for having an officer, employee and supervising professional who failed to avoid and properly disclose a known or potential conflict of interest in connection with the practice of engineering in Louisiana (which also constituted gross misconduct) in violation of La. R.S. 37:698(C), *to wit* La. R.S. 37:698(A)(2) and (6) and LAC Title 46:LXI§2507(A) and (B). In 2012, the firm and its officer, employee and supervising professional (Desmond C. Sprawls, PE, PLS) prepared for their client a site development plan and related rezoning application for an office park in Louisiana, and then billed and received payment from the client for those services. In 2013, Mr. Sprawls participated (as an appointed member of a local planning commission in Louisiana) in the consideration of the client's plan during the commission's public hearing, voted to approve the client's plan during the hearing, and failed to inform the other members of the commission, the public or the firm prior to or during the hearing that he had prepared the plan and rezoning application for the client. Following a formal hearing, the Board issued final findings of fact and conclusions of law and a final decision and order, wherein the firm was found to have committed the referenced violations of the above laws/rules and was assessed the following sanctions: fine of \$1,000; administrative costs of \$6,758.30; order to ensure that its employees and representatives avoid all conflicts of interest in the practice of engineering and land surveying; order to have each of its supervising professionals successfully complete the Board's online Louisiana Laws and Rules Quiz; order to have each of its supervising professionals successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; and the publication of the Final Findings of Fact and Conclusions of Law and the Final Decision and Order on the Board's website

and the printing of a summary of this matter by name in this publication.

Frank K. Smith, a professional engineer (PE-19892) and professional land surveyor (PLS-4786), was subject to disciplinary action by the Board for (a) aiding or assisting another person in violating the laws and/or rules of the Board in violation of La. R.S. 37:698(A)(12) and (b) practicing and offering to practice engineering and land surveying in Louisiana with expired licenses in violation of La. R.S. 37:698(A)(9) and (16). Between October 1, 2009 and February 9, 2014, Smith Engineering Co., Inc.'s professional engineering firm license was in an expired status and the firm practiced and offered to practice engineering in Louisiana by admittedly offering to provide engineering services in Louisiana and providing engineering services on approximately 393 projects in Louisiana. Since October 1, 2009, the firm's professional land surveying firm license has been in an expired status and the firm practiced and offered to practice land surveying in Louisiana by admittedly offering to provide land surveying services in Louisiana and providing land surveying services on approximately 109 projects in Louisiana. During at least a portion of the time between October 1, 2009 and February 9, 2014, the firm also advertised itself in the Real Yellow Pages in Louisiana under the headings "Engineers-Consulting" and "Surveyors-Land". Mr. Smith was the owner and President of the firm. He was also a supervising professional of the firm in connection with its professional engineering firm license from June 20, 1991 to February 9, 2014, and he has been the supervising professional of the firm in connection with its professional land surveying firm license since July 3, 1996. Additionally, since October 1, 2008 Mr. Smith's professional engineer and professional land surveyor licenses have been in an expired status and he practiced and offered to practice engineering and land surveying in Louisiana by admittedly (a) offering to provide engineering services in Louisiana and providing engineering services on approximately 261 projects in Louisiana, which included approximately 171 such projects in Louisiana since August 2009, and (b) offering to provide land surveying services in Louisiana and providing land surveying services on approximately 137 projects in Louisiana, which included approximately 114 such projects in Louisiana since August 2009. Mr. Smith has entered into a Consent Order with the Board, wherein he admitted to the referenced violations of the above laws/rules and agreed to pay a fine of \$8,5000; to pay administrative costs of \$582.62; to successfully complete the Board's online Louisiana Laws and Rules Quiz; to successfully complete the Board's online Louisiana Professionalism and Ethics Quiz; to immediately cease and desist the practicing of and/or offering to practice engineering and land surveying in Louisiana until such time as his expired Louisiana professional engineer and professional land surveyor licenses are renewed; to ensure that the firm immediately ceases and desists the practicing of and/or offering to practice land surveying in Louisiana until such time as its expired Louisiana professional land surveying firm license is renewed; and to the publication of the Consent Order on the Board's website, the printing of a summary of this matter by name in this publication, and the reporting of this matter by name to NCEES.

NEW REGISTRANTS

Congratulations to the following newly licensed and certified for the period of 7/16/14 - 10/14/14

PROFESSIONAL SURVEYOR

Patrick Michael Haley, PLS

SURVEYING FIRMS

Centerline Engineering & Land Surveying, LLC, VF
Keith J. Fournier, PLS, LLC, VF
Newell Engineering, LLC, VF
PBM Surveying, LLC, VF
Pipeline Project Services, LLC, VF

ENGINEER INTERNS

Allbright, Callie Nicole, EI
Alvero, Garrett Thomas, EI
Avalos, Daniel David, EI
Bailey, Philip Joseph, EI
Berthelot, Kenneth Joseph, EI
Boteler, Lawrence Joseph, EI
Bouquard, Paige Carey, EI
Brignac, Daniel Michael, EI
Brockhaus, Jonathan David, EI
Brown, Byron Joseph, EI
Brown, John Thomas, EI
Brown, Justin M., EI
Burnham, Nicholas Austin, EI
Cheatham, Michael Joseph, EI
Christman, Samuel Howard, EI
Commander, Madeline Breard, EI
Cusumano, Thomas Edward, EI
DeVille, Jessica Jeanne, EI
DiVittorio, Alanna Catherine, EI
Duhon, Aimee Claire, EI
Ellisor, Whitney A., EI
FaKouri, Christopher Jacob, EI
Fancher, Christopher Warren, EI
Ferguson, Micah Craig, EI
Fournier, Aaron Joseph, EI
Freeman, Michael James, EI
Garrett, Amanda Elizabeth, EI
Gary, Ryan Scott, EI
Girouard, Craig Michael, EI
Guercio, Maci M., EI
Guidry, Michael David, EI
Hart, Stuart R., EI
Hebert, Brian Andrew, EI
Hebert, John Jennings, EI
Hill, Lucian Lamar, EI
Hinds, Jeremy Thomas, EI
Hinson, Katie Christine, EI
Holladay, Katherine E., EI
Hornberger, Danny Lee, EI
Idarra, Melina, EI
Johnson, Aron Chase, EI
Joubert, Stephen Paul, EI
Judice, Kevin Thomas, EI
Kirby, Paul Henry, EI
Knott, Jackson Alexander, EI
Lacy, Elisabeth Paige, EI
Latino, Kimberly Annette, EI
Ledet, Justin Ross, EI
Lowe, Shelby Bernard, EI
Madere, Kori Michelle, EI
Madray, Ian S., EI
McEachern, Jon Hardy, EI
Miller, Justin Paul, EI
Mistich, Bradley John, EI
Montesdeoca, Samantha Lynn, EI
Morejon, Gabriel Adrian, EI
Murillo, Rafael Eduardo, EI
Newsome, Joseph Roy, EI
Nguyen, Vogan Huy, EI
Olivier, Drake Joseph, EI
Oubre, Jason Patrick, EI
Paul, Christopher Marshall, EI
Pierce, Scott Edward, EI
Poindexter, Ryan Ernest, EI
Powell, Claire Meziel, EI
Powell, Shenai Amber, EI
Poythress, Brandon Glenn, EI
Prosperie, Joshua Thomas, EI
Richard, Jared Michael, EI
Shaffer, Samuel Adam, EI
Temple, Joshua Douglas, EI
Thibodeaux, Justin Dean, EI
Thompson, Charles Andrew, EI
Tidwell, Jeffrey Lewis, EI
Tyne, Conner Hardin, EI
Vicknair, Andrew James, EI

Viera, Raul Joseph, EI
Voss, Rachel Marie, EI
Williams, Andrew David, EI
Winningham, Ryan Andrew, EI
Wood, Kevin Donald, EI
Yao, Theodore Nguyen, EI

PROFESSIONAL ENGINEERS

Akandu, Ogbonna I., PE
Alejo, Ricky, PE
Andresen, Jon N., PE
Angell, Timothy Allen, PE
Baddour, Youssef Victor, PE
Baker, Laura Jean, PE
Barhoover, Dane Eric, PE
Barter, Michael Parker, PE
Benvenuti, Benjamin Brougham, PE
Bodenhamer, Kevin Charles, PE
Bostick, Christopher Andrew, PE
Bouris, George E., PE
Boutaugh, Thomas Earl, PE
Bowman, Marvin Eugene, PE
Bowman, Matthew Michael, PE
Brackensick, Brian James, PE
Bradshaw, Bryan Keith, PE
Brantana, Mark Benjamin, PE
Brewer, Daniel Carl, PE
Brinjac, David Anton, PE
Broadbooks, Arthur Christian, PE
Brown, Christian James, PE
Buchanan, Randell Todd, PE
Burkett, David Andrew, PE
Canuteson, Jared Layne, PE
Capule, Orlando Caparas, PE
Carlson, Steven Patrick, PE
Case, James Willard, PE
Casseday, Michael J., PE
Chang, Herman Lohwan, PE
Chang, Howard Shu-Hao, PE
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Collins, Donald Edward, PE
Connor, James McDean, PE
Coste, Peter F., PE
Crain, Michael Standlee, PE
Crunk, William Whiteaker, PE
Davis, Timothy Michael, PE
Denham, Brett Grayson, PE
Dixon, Paul Christopher, PE
Donoho, David Carol, PE
Doughty, Phillip Timothy, PE
Dugan, Timothy Bryan, PE
Dunham, Caleb Steve, PE
Dunham, Jimmy Darrell, PE
Dyer, Morgan LeeAnn, PE
Edwards, Steven Keith, PE
Effland, Kenneth Michael, PE
Eilers, Michael Glenn, PE
Ellison, Martin Edward, PE
Elza, Michael J., PE
Enga, Brian Paul, PE
Estopinal, Matthew Samuel, PE
Eubank, David H., PE
Exner, Johanna Lee, PE
Faris, Adam Shawn, PE
Fisher, Nyle Lester, PE
Follette, Renee Radosta, PE
Frei, Steven Gene, PE
Furtick, John Walter, PE
George, Donald William, PE
Gilchrist, David Ray, PE
Goetcheus, Tad Andrew, PE
Goldberg, Adam Brian, PE
Gollins, Michael Jason, PE
Graham, Zachary William, PE
Granberry, John Jacob, PE
Hancock, Christian Stephen, PE
Harris, Levi Daniel, PE
Hayward, Chad Tyler, PE
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Kim, Matthew Byong Son, PE
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Kintzel, Jason, PE
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Klein, James Robert, PE
Knisley, Phil Howard, PE
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Kohler, Carl Bernard, PE
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Larson, Brian Carlyle, PE
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Lienau, Kevin Michael, PE
Lindemon, Richard Milton, PE
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Michel, Heath Henry, PE
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Montz, Thomas Jude, PE
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Murdoch, Jere, PE
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Naukam, Derrick Ashley, PE
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Nichols, Jane Varela, PE
Nieto-Franco, Cristian Eduardo, PE
O'Connell, Kevin John, PE
Oldfield, Shannon Aura, PE
Olmstead, David Wesley, PE
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Patel, Ashokbahi Amritlal, PE
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Pickering, Elaine Sears, PE
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Powell, Adam Tyler, PE
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Pylant, Benjamin Buck, PE
Rankin, Steven Glen, PE
Richards, Ross Kelton, PE
Ring, Peter Alvin, PE
Rooney, Erin Ann, PE
Rosol, Christopher Michael, PE
Ruegge, Brian David, PE
Salter, Michelle Hebert, PE
Santana, Manuel, PE
Sbeih, Wael, PE
Schindler, Jennifer Katie, PE
Schneller, Carlo H., PE
Sifre, Pedro Juan, PE
Siirtola, Stephen Mark, PE
Simpson, Michael Maurice, PE
Smith, Gregory Russell, PE
Smith, Jody Slaton, PE
Solano, Michael Davis, PE
Stelly, Cheyenne Matthew, PE
Stevenson, Christopher, PE
Thomsen, Anthony Charles, PE
Thornton, Jeffrey Steven, PE
Threath, Laura Ann, PE
Tillman, Monica Haslauer, PE
Tuley, Brenda Kindle, PE
Turner, Joe M., PE
VanBriggle, Michael Kent, PE
Veeresha, Avinash Bellur, PE
Viers, Robert Donald, PE
Walsh, Edward J., PE

Wang, Zixian, PE
Ward, Craig Steven, PE
Waters, Vincent William, PE
Webster, Bridget Diane, PE
Weeks, Michael Gregory, PE
Whisenhunt, Jacob David, PE
Wimberly, Kathryn Byars, PE
Wright, Jeffery David, PE
Yoho, Joshua Phillip, PE
Yu, Alvin Man-Ngai, PE
Yurianto, Yurianto, PE
Zeeveld, William Buhr, PE

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Craig D. Dooley, PE



Craig D. Dooley, PE
Louisiana Engineering Society President

Being a blackbelt in lean/six sigma for structural improvement activities (SIAs), I have used a DVD called Toast Kaizen® as an introduction to a team for continuous improvement and lean principles. This DVD is produced by the Greater Boston Manufacturing Partnership (www.gbmp.org).

“Kaizen” is a Japanese word that means small change for the better. In the DVD, the process of making toast is used as a simple process that most everyone has done as an illustration for continuous improvement.

In any process there can be up to eight forms of waste:

- Motion – looking for missing tools
- Waiting – approvals, electronic queues
- Transportation – routing unnecessary approvals
- Storage – excessive backlog of work to be processed
- Defects – not meeting scope of work requirements
- Overprocessing – duplicate data entry fields
- Injuries – Slips, trips, or falls

We as engineers need to be constantly customer focused in what we do. We need to ask the following questions:

- Who is my customer?
- Is my customer willing to pay for this?
- How can this process be improved?
- How can I eliminate waste from this process?

This continuous improvement thinking applies to all types of engineering processes: chemical manufacturing, construction of a roadway, or the evaluation or completion of permit. If we continuously improve, we all benefit.

CALENDAR OF EVENTS

November 2014

- 3 Nominations for LAPELS Board Vacancies begins
- 7 Honors & Awards Nominations deadline
- 14 LES Board Meeting and Honors & Awards Committee Meeting, LES State Office

January 2015

- 16 Deadline for copy, LA Journal, February Issue
- 27 LES/LEF Board Meeting, Lafayette, LA
- 28-29 19th Annual Joint Engineering Societies Conference, Hilton Lafayette, Lafayette, LA

WELCOME NEW MEMBERS

Alexandria Chapter

Callie Lohman, PE Member

Baton Rouge Chapter

Frank Betts, PE Member

Connie Porter Betts, PE Member

Brandon B. Bosarge, PE Member

Fahmida Nilufar, PE Member

Larry D. Sant, PE Member

Hilary Thibodeaux, PE Member

James Paul Vincent, PE Member

Carl Jeansonne, Individual Sustaining

Travis K. Dass, Student Member

Whitney Bank, Corporation Sustaining

Bayou Chapter

Brandon Lee Bourg, PE Member

Lafayette Chapter

Nicholas E. Molaison, EI Associate

Member Under 30

Erhun Aiwerioghene, Student Member

Fahad Khamis Alhosni, Student Member

Ogbugo C. Ananaba, Student Member

Tara E. Landry, Student Member

Ty Moreau, Student Member

Ross D. Ritchey, Student Member

Lake Charles Chapter

Nicholas W. Johnson, EI Associate

Member Under 30

Monroe Chapter

Stephen W. Knott, PE Member

P. Charles Taylor, PE Member

Michael K. Swanbom, PE Member

New Orleans Chapter

David R. Lewis, PE Member

Heather A. Tank, PE Member

Jessica Luttrell Watts, PE Member

Kostmayer Construction, Corporation
Sustaining

Shreveport Chapter

David A. Smalley, EI Associate Member
Under 30

Dennis W. Haar, PE Member

Mindy L. Manning, Student Member

SOCIETY NEWS

Brenda Gajan, LES Executive Director



ALEXANDRIA CHAPTER

By Jennifer A. Gemar, PE

In September, the Alexandria Chapter had its Fall Licensing Ceremony. Thanks again to Billy Moore for presenting the certificates and to everyone else who came to the licensing ceremony to show their support. Congratulations again to all the new registrants!

At the license presentation, Billy Moore gave a presentation on Ethics. The presentation was very informative and generated further discussions after the meeting. For our October chapter meeting, Glenn Turner with MML&H presented on one of their past projects they recently completed. He walked us through the project from start to finish highlighting project challenges and lessons learned. For the month of November we have a field trip planned to tour the local AFCO Industries facility. This will provide a great opportunity for

local engineers to see firsthand how the facility operates.

The Alexandria Chapter is currently selling raffle tickets as part of our annual MATHCOUNTS fund raiser. The drawing is to be held at the December chapter meeting. All proceeds will be used to host the local MATHCOUNTS Competition. Anyone interesting in helping out or purchasing a ticket can contact the chapter officers.

I'm looking forward to seeing our members at the upcoming meetings and encourage everyone to invite any potential new members. This is a great opportunity for people to network and get familiar with our local industry.



BATON ROUGE CHAPTER

By Chad A. Bacas, PE

It's always a busy time of the year when fall rolls around and when we all get to enjoy lots of sports, hunting, fishing, and other hobbies or adventures. This time of year we all get teased with short periods of cool fronts which usually send us outside to enjoy the outdoors. Our Baton Rouge Chapter of LES is no different during this fall season with a busy calendar, and with a couple of our events that take you outdoors! We had a great turnout for our 3rd Annual Clay Shoot Tournament with Team Evans-Graves taking first place followed by the past champions from our 1st Annual – Louisiana Society of Profession Surveyors. It's always nice to hang out with your fellow engineers and get out of the office for an afternoon of fun!

Our September luncheon is always exciting when LAPELS introduces the newly licensed engineers and surveyors! It's a remarkable accomplishment and milestone in their careers and I wish all of the new licensees great success in their careers. We also had Bob Mirabito, CEO of CATS, provide insight to the great improvements he has provided to the system since he has taken control. With brand new routes, new buses and other improvements, Bob hopes to one day make our transit system a 'rider of choice' system, and I think it's definitely moving in the right direction. We welcomed

Jeffrey Burst, PE, from LA DOTD as our October speaker, and had a new venue when we teamed up with American Public Works Association (APWA). He did a great job at presenting DOTD's Alternative Delivery methods at Mike Anderson's restaurant on Lee Drive.

It's amazing that we are hosting our 21st Annual LSU/ Southern Student Function, where we will be teaming up with our newly created LSU LES Student Chapter. There will be an Engineering panel to allow for a question and answer session for LSU and Southern engineering students, and an opportunity to earn an Ethics PDH. We think this is a great opportunity for member volunteers of any discipline to join our panel and reach out to our future engineers for this one hour Q&A forum. This event is always held during a nice time of year to get out - and why would anyone want to miss out on the infamous Richard Savoie's jambalaya masterpiece! C'est Si Bon!



BAYOU CHAPTER

By Stan Whitney, PE

As this article is going to print the Bayou Chapter is holding its annual charity golf tournament at LaTour Golf Club in Mathews. I would like to extend the Bayou Chapter's thanks to all of the golfers who have signed on to participate. A very special thanks goes out to all of our sponsors for the event. The chapter's annual golf tournament is the main source of funding for our local Mathcounts competition as well as the continued goal of funding the Bayou Chapter's endowed scholarship, all of your generosity is greatly appreciated. The Bayou Chapter will be serving as the host chapter for this year's state Mathcounts competition in Pineville on March 26th and 27th. The Bayou Chapter will need volunteers to travel to Pineville on these dates so please consider making space on your calendars to help with this very important event.

Our fall licensing ceremony was recently held, allowing the Bayou Chapter to present an engineering intern certificate to Mr. Trey LeBlanc. The Bayou Chapter also wishes to extend congratulations to three other individuals in our area receiving licenses. Mr. Kendall LaBauve received a professional engineering license. Mr. Russell Bayham and Mr. Leonard Chauvin received their engineering intern certificates. Our chapter congratulates and welcomes these individuals to our profession. I would like to encourage all of our members to reach out to other engineers and encourage participation in the Louisiana Engineering Society.

Along with many great networking opportunities, members enjoy discounted opportunities to earn their PDH hours.

LAFAYETTE CHAPTER

By Ashley Simon, PE

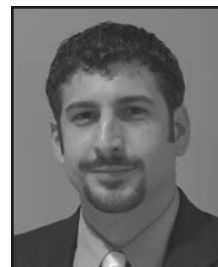
The chapter meetings started off in September with the Licensing Ceremony held in conjunction with the chapter luncheon. We were excited to meet and welcome the new registrants. What an exciting time in their engineering careers. A special thank you goes out to Dr. Jim Bowie whom represented LAPELS conducting the ceremony and giving an engaging presentation on Engineering Ethics.

The October luncheon meeting was held October 23, 2014 with a very informative presentation by Mr. Larry Smith with Corrosion Control, Inc. Mr. Smith is a professional engineer with over 50 years of experience. His presentation was titled Corrosion/Cathodic Protection.

Our next meeting will be in November (Date, Location and Speaker TBA). The December meeting will be a Joint LES/ASCE Christmas Social in early December (Date and Location TBA). Our Spring Licensing Ceremony and Mathcounts Awards banquet will be held the week of March 23rd at

Such opportunities include the Joint Engineering Societies Conference which will be held on January 28th and 29th in Lafayette. This conference is one of the best values available for PDH hours, and a great chance to meet engineers from throughout the state. At this year's conference the society will be holding the first annual "Don't Burn the Roux Gumbo Cook-Off". We all know the best cooks are born on the bayou, If you would like to help the Bayou Chapter be the first to take home this award please let us know soon.

Our next meeting is scheduled for December 17th so mark your calendars and be on the lookout for the flyer. Also, don't forget to mark your calendars for the 12th Annual Multi-State Engineering Conference to be held next summer, June 28 – 30th. At the beautiful Sandestin Resort in Destin Florida. This event is held at a great family friendly resort which makes this a great excuse to take the whole gang on a summer vacation. I hope to see everyone there.



the Petroleum Club. Then we will be looking into having a presentation on LEED building design and touring the Energy Research Facility in Crowley for our February and April Meetings.

We will be hosting the Joint Engineering Society Conference in January and are currently working on setting the meeting agenda and getting Exhibitors and Sponsors for the event. In conjunction with the conference there will be a Gumbo Cook-off. We are looking for Teams to show-off their cooking skills by participating. Our local Mathcounts competition will be held in February 2014. We are currently looking for sponsors and organizing committees to support the event and would hope that all our members will do their best in volunteering.

MONROE CHAPTER

By Jim Ellingburg, PE

Our monthly membership meetings have started back this fall, and our attendance has gotten off to a good start for the new year. One of the goals of each meeting is to communicate with our chapter members on continuing education opportunities and other scheduled events hosted by or available through LES. In addition, each meeting includes a technical presentation by a featured guest speaker, and one (1) PDH is awarded for attendance. Fellowship among our chapter members is also something to look forward to each month. So, if you've missed our recent meetings consider attending in the coming months. Your attendance is important to the success of our chapter. Also, if you know someone who is not currently a member, invite them to join us at the next monthly membership meeting.

At our September meeting, we recognized Jody Smith, PE, Shelby Maddox, E.I., and Ronald J. Riggin, PE, PLS for

their accomplishment in obtaining professional licensure or certification during our Bi-Annual Licensing Ceremony. After the ceremony, Ms. Jessica Keasler with Terracon gave a technical presentation entitled, "Evaluation, Site Assessment and Engineering for Development." Mr. Colin Johnson, PE with Tensar presented at our October meeting. He discussed "Tensar Grade Separation and Embankment Design." We appreciate Ms. Keasler and Mr. Johnson for presenting to our group.

Recent membership reports show the Monroe Chapter continues to maintain our membership level. Consider extending an invitation to your colleagues who are not members of LES to join us and get involved. Together we can continue our success by increasing our chapter membership!



SHREVEPORT CHAPTER

By T. Ryan Estess, PE, PLS

The Shreveport Chapter officers for the upcoming 2014-2015 year are as follows:

President: T. Ryan Estess, PE, PLS
 1st Vice President: Tyler Comeaux, PE
 2nd Vice President: Lem Dial, PE
 Secretary: Melinda Boncheff
 Treasurer: Ali Mustapha, PE

I would like to personally thank Mr. Micha Duffy, PE, who served as the 2013-2014 President of the Shreveport Chapter, for his hard work and dedication to the Louisiana Engineering Society. I would also like to thank Mr. Matthew D. Redmon, PE, for stepping up as MATHCOUNTS Coordinator for our area.

The chapter has already had two meetings this year. We would like to thank our first two speakers, Mr. Sam Rosenberk, Ph.D., PE with RAMJACK International and State Representative and City of Shreveport Mayoral Candidate Mr. Patrick Williams. Our meeting dates and speakers for the remaining meetings of the year are as follows:

November 12 – Ragan Dickens –
 LOGA Presentation on Fracking and Directional Drilling
 January 14 – Joint meeting with ASHRAE –
 Speaker to be provided by ASHRAE
 February 20 – LES Banquet – Dr. Les K. Guice, Ph. D., PE
 March 20 – Joint Meeting with ASCE-
 Ethics Presentation by LAPELS
 April 8 – J.D. Brown, PE – Max Foote Construction
 May 13 – T.B.D.

We're still having the annual scholarship raffle. We're raffling off a Taurus Judge Revolver as the Grand Prize. An Apple iPad Air will be the second prize. Tickets again will be \$10 and will be sold at each meeting or you can contact me or any officer directly to purchase them. Last year we raised enough money to give out an additional scholarship for a college engineering student from our region. I hope to make the raffle even more successful this year.

Congratulations to the following members from our chapter who passed either the Principles of Practice or Fundamentals of Engineering Exam this summer.

Aaron Lucas, E.I.
 Brandon Greco, E.I.
 Troy Partington, E.I.
 Conner Tynes, E.I.
 Adam Lillich, PE
 Stephen Knight, PE
 Michael Hampton, PE
 Hannah Beatty, PE
 Eugene Gallicgan, PE

Please join us for our next meeting at the Petroleum Club on November 12th, at 11:45 a.m. Ragan Dickens will be giving a presentation on Directional Drilling and Fracking. We hope to see you there.

NEW ORLEANS CHAPTER

By Glenn Orgeron, PE, JD

At our September 17th meeting, we started the year off with the certificate ceremony for a number of new P.E.'s and E.I.'s. Congrats to all the new engineers! Special thanks goes to UNO Professor Dr. Norma Jean Mattei for a very informative lecture on the Mississippi River Commission and the ethics involved with the planning, priorities, and funding of the sorely needed flood control projects; Dr. Mattei is a member of the Commission. Without additional funding, all residents situated within 50 miles of a waterway or the Gulf will be issued a pair of goggles, breathing apparatus, life vest, and a pack of Lifesaver Mints.

Then, with the year off to a great start, we moved into Fall with our October 3rd 7th Annual Golf Tournament; with a capacity crowd of golfers, and lots of sponsors, volunteers, food, and drinks, we gave Audubon Park Golf Course a good workout! Congratulations to all of the winners and our thanks to all who heeded the call for players and sponsors. The Golf Tournament provides support for the Chapter, our programs, and the scholarships we award.

On October 17th, we had a very informative briefing and followed by an excellent tour of Entergy's new Nine Mile Point 550-Megawatt Natural Gas Steam / Electric Generator. The new, state of the art, large power facility was very impressive and provided the Chapter members with the opportunity to see this huge facility from the inside out.

In November, look for a slightly different program. First, we'll take the opportunity to honor J.M. Drake, one of our long-term New Orleans Chapter members who died very unexpectedly earlier this year. We'll have J.M.'s wife, Marlane, with us; Marlane will let us know what LES meant to JM and how much JM loved his profession and cared for his community. Then, we'll have Mark Rosa, who holds professorships at both Tulane's Freeman School of Business and UNO's Business School and who is a frequent television commentator, speak to the Chapter about The State of the U.S. Economy. This should be a very interesting and informative look at our macro-economy and the possible effects on industry across the board. For anyone who has heard Mark speak, you already know that he is an extremely knowledgeable, dynamic, and entertaining speaker. Given that Mark's talk will be shortly after the November elections, and likely in between the December runoff elections that may determine the control of the U.S. Senate, he may have even more interesting, timely information to impart on us.

Although we tried to find an open Saturday in the Fall for a civic project helping the Greater New Orleans Second Harvest Food Bank sort foodstuffs, we have had to delay that to next May because of over booking. Stay tuned for further developments.

Turning to a different topic, as many of you know, after Hurricane Katrina, Tulane University consolidated its School of Engineering and the Liberal Arts and Science Departments to form the School of Science and Engineering. Regretfully,

because of the significant financial damage done to the University by Hurricane Katrina, a decision was made to eliminate the traditional disciplines of mechanical, electrical, and civil engineering, leaving UNO as the only school still in the Greater New Orleans area offering those curricula. Fast forward nine years, Tulane has regained considerable strength and come a long way from those difficult times immediately following Katrina, and so, we are working to open a discussion with Tulane about incremental expansion of the engineering curriculum to return some of the eliminated engineering programs to Tulane's offerings. Dean Altiero of Tulane's School of Science and Engineering remains committed to rebuilding engineering and computer science at Tulane, but has indicated that such rebuilding "must be within the context of an integrated science and engineering school. The engineering programs that [Tulane has] are strengthened by their close relationship with the sciences and mathematics and ... 21st century engineering is being driven by cutting edge science in areas like nanotechnology, biotechnology, information technology, and neuroscience." Further, Dr. Altiero is also a realist and emphasized that "substantial resources must be part of any conversation" relating to program expansion. We will meet with the Dean to discuss the possibilities of incremental engineering expansion, the resources that would be necessary for Tulane to expand with credible programs to compete with other Association of American Universities private institutions, and the possible sources of such funding. Finances will be a challenge, and program excellence would be imperative. The challenge will not be easy.

For December, we are working on a Science, Technology, Engineering, and Math (STEM) presentation with several high school and current or former college professors on how STEM programs are doing and what we all are doing to attract more students into engineering fields. A noted research engineer, Princeton University faculty member, and CEO, Norm Augustine, relatively recently commented that studying engineering is so unpopular because it is hard and that it has been difficult to attract young people back to studying engineering because K-12 education in this country could best be described as "abysmal" when it comes to math and science. However, Mr. Augustine noted that "the top problems that America has to deal with—the environment, national security, homeland security, the economy, water supplies, and to some degree health care—the answers are going to come from engineers, not lawyers, bankers, or accountants." Too, another hurdle we have to overcome may be the media. Not that long ago, the Washington Post had an article on how to succeed in college, and the number two item on the list was "Don't study engineering." So, we all have a huge task at hand. The new STEM programs appear to be a strong attempt at turning that corner to get young students interested in studying engineering, and, in reality, getting the United States back on track as the world leader in science and engineering.



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f. Total Distribution (Sum of 15c and e)	7,297	7,735
g. Copies not Distributed (See instructions to Publishers #4, (page #3))	329	80
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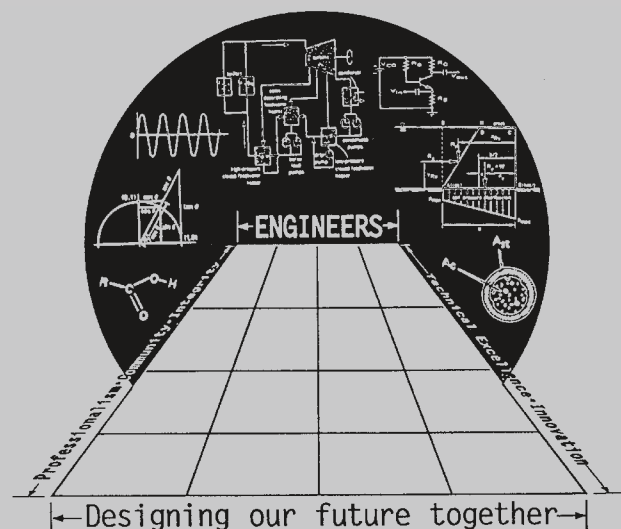
17. Publication of Statement of Ownership for a Requester Publication is required and will be printed in the issue of this publication: November

18. Signature and Title of Editor, Publisher, Business Manager, or Owner: Brenda Gajan Date: 9/30/14

I certify that all information furnished on this form is true and complete. I understand that anyone who furnishes false or misleading information on this form or who omits material or information requested on the form may be subject to criminal sanctions (including fines and imprisonment) and/or civil sanctions (including civil penalties).

PS Form 3526-R, July 2014 (Page 3 of 4) PRIVACY NOTICE: See our privacy policy on www.usps.com

19th LA Joint Engineering Societies Conference



January 28 & 29, 2015
Lafayette, LA

RESERVE BOOTH SPACE NOW
Registration information at www.les-state.org

LOUISIANA ENGINEERING SOCIETY PRESENTS: ORDER OF THE ENGINEER CEREMONY

The Louisiana Engineering Society will be having an Order of the Engineer Ceremony during the Joint Engineering Societies Conference on Thursday, January 29, 2015 at 11:30 am. The Order of the Engineer is a solemn obligation to oneself to uphold devotion to the standards and the dignity of the engineering profession. It is an obligation to turn to practical use of the principles of science and the means of technology...to serve humanity by making the best use of Earth's precious wealth.

Everyone is invited to participate in this event. Please fill out the information below and return with your payment and ring size of your small finger on your working hand.

Name: _____

Address: _____

City: _____ State: _____

Phone Number: _____ Ring Size: _____

Email: _____ Zip: _____

Registration cost is \$20

Card No: _____ Exp. Date: _____

Signature: _____

Mail checks and registration to LA Engineering Society
9643 Brookline Ave., Ste. 116, Baton Rouge, LA 70809

You may fax registration to: (225) 924-2049 or email to les@les-state.org

For more information please visit our website: www.les-state.org.

If you have any questions, please call the LES office at (225) 924-2021



19th Joint Engineering Society Conference

Lafayette, LA

January 28 & 29, 2015



	Tuesday, JANUARY 27th			
6:00 pm—8:00 pm	LES & LEF Board Meetings - Ashland Room			
	Wednesday, JANUARY 28th			
7:00 am—4:30 pm	REGISTRATION			
7:00 am—9:00 am	Continental Breakfast			
8:00 am - 5:00 pm	LAPELS Board Meeting - Ashland Room			
ROOM	SALON B	SALON C	SALCON E	SALON F
8:00 AM— 8:50 AM	Keith Walsh Centrifugal Pump Fundamentals	J. Dan Lavergne, CPA, CGMA The ABCs of FAR	C1	Brian Buckel, PE Huey P. Long Bridge Widening & Three Big Lifts
9:00 AM—5:30 PM	EXHIBIT HALL OPEN - SALON A & D			
9:00 AM— 9:50 AM	D. Phil Turnipseed, PE, D.WRE USGS Near Real-Time Stream gaging: A Critical National Network	Mary Anne Wolf, PE Contracting in Public Projects	Victor Donald, PE Geotechnical Site Characterization - The Ethical Dilemma of Low Price Bidding	Brent Domingue, PE LADOTD District 03 Access Mft.
9:50 AM— 10:10 AM	BREAK IN EXHIBIT HALL- SALON A & D			
10:10 AM—11:00 AM	Glenn Ken, PLS Engineering Ethics		Thomas Kline Fireproofing Strategies	Phil Meyers, PE TIMED Program
11:10 AM—12:00 PM	Michael Vallen Public Bid Law		Mitchell LeBas, PE Backflow Prevention	Ed Wedge, PE & Bob Boagni, PE DOTD-ASCE/L Consultant Contract Review
12:00 PM—1:30 PM	AWARDS LUNCHEON -VERMILION ROOM			
1:30 PM—2:20 PM	Ben Humphries Energy Optimization Utilizing Variable Frequency Drives	Juan Nogueira Promoting the Engineering Profession, Policy & Projects with Traditional Social Media in Louisiana	Wynn L. White, PE Mold, Mildew, & Mud	Kelly Kemp
2:30 PM—3:20 PM	Brandon Lomasney Protective Linings for Ductile Iron Pipe	Wyatt M. Sanders Controlling your Cost of Risk	Andre E. LeBleu, PE Arc Flash & Arc Flash Solutions	Jody Colvin
3:20 PM—3:40 PM	BREAK IN EXHIBIT HALL - SALON A & D			
3:45 PM—4:35 PM	David Hawley An Overview of Engineering In-Situ Groundwater Remediation Systems	Annette Oretling, PhD FIRST Robotics Programs - Inspiring the Next Generation of Engineers	Andre E. LeBleu, PE Anatomy of an Engineering Project	Tim Nickel, PE Cove Lane Interchange
5:00 - Till	EXHIBITOR MEET & GREET & COOK-OFF EVENT			



19th Joint Engineering Society Conference

Lafayette, LA

January 28 & 29, 2015



	Thursday, JANUARY 29th			
7:00 AM—9:00 AM	CONTINENTAL BREAKFAST			
7:30 AM—12:30 PM	REGISTRATION			
7:30 AM—12:30 PM	EXHIBIT HALL OPEN			
ROOM	SALON B	SALON C	SALON E	SALON F
8:00 AM— 8:50 AM	Allen H. Cox, PE Corrosion Control for Ductile Pipe	Joe Harman, PE & Tyson Ducote Firm Licensure and Supervising Professional	Tom Wagner Winning Presentations	John W. "Billy" Moore, PE Using ASCE Standard 38-02 to Save Time & Money with Example of Process & how it has Helped LADOTD
9:00 AM— 9:50 AM	Spencer Tuell, PE Find and Fix - Sewer System Evaluation & Rehabilitation	Kevin Davis Emergency Preparedness for Private Industry	C9	Ellen Wilmer Soll, AICP Complete Streets
9:50 AM— 10:30 AM	BREAK IN EXHIBIT HALL - SALON A & D			
10:30 AM—11:20 AM	A10	B10		
11:30 AM - 1:00 PM	General Membership Luncheon & Past President's Recognition (Includes Order of the Engineer Induction Ceremony) - VERMILION ROOM			
1:00 PM—2:00 PM	Brett Robinson Ethics Board Presentation: SALON B & C			
2:00 PM - 3:00 PM	LAPELS Panel Discussion: SALON B & C			

Location: Hilton Lafayette
1521 West Pinhook Rd
Lafayette, LA 70503

For questions, contact:
Louisiana Engineering Society
Phone: (225) 924-2021
Email: les@les-state.org



19th Joint Engineering Societies Conference

January 28 & 29, 2015

The Hilton Lafayette, 1521 W Pinhook Rd, Lafayette, LA 70503

Earn 12 Professional Development Hours



Please fill out the registration form and mail with a check to:

Louisiana Engineering Society

9643 Brookline Ave., Ste. 116

Baton Rouge, LA 70809

Or fax your credit card order to (225) 924-2049 or register online

Pre-registration deadline is January 7, 2015

NO REFUNDS WILL BE GIVEN AFTER THIS DATE

Check all that you will be attending:

Registration after 1/7/15

Participating Society Member:	\$160 _____	\$200 _____
Non-Member:	\$260 _____	\$300 _____
Student:	\$ 30 _____	\$ 40 _____
Wednesday Continental Breakfast:	\$ 5 _____	\$ 15 _____
Wednesday Awards Luncheon:	\$ 26 _____	\$ 36 _____
Exhibitor Meet N' Greet & Cook-Off:	\$ 5 _____	\$ 5 _____
Cook-Off Team Entry Fee:	\$100 _____	\$150 _____
Thursday Continental Breakfast:	\$ 5 _____	\$ 15 _____
Thursday Luncheon:	\$ 27 _____	\$ 37 _____
(Order of Engineer Ceremony & Past Presidents Recognition		
Order of the Engineer Induction Ring Size: _____	\$ 20 _____	\$ 30 _____

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Please circle all technical societies you belong to. If any are not listed, please write them in the blanks. No society membership is required to attend.

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LEF LES LSPS SPE SWE OTHER SOCIETY: _____

For overnight accommodations call the Hilton Lafayette at 1-800-445-8667. Their location is 1521 W. Pinhook Rd, Lafayette, LA 70503. The special conference rate is \$124.00 per room. You must state that you are attending the JESC to receive this rate.

Hotel reservation deadline is January 07, 2015.

Joint Engineering Society Conference

Don't Burn the $\sqrt{\text{Roux}}$ Cook-Off



Wednesday, January 28, 2015

EVENT AND ENTRY INFORMATION:

The purpose of the Don't Burn the Roux Cook-Off is to provide state-wide competition and comradery of all home-chefs and network with other consultants, contractors, and vendors attending the JESC. In order to win this cook-off, the team must safeguard life, health and property, promote the public welfare, and establish and maintain a high standard of integrity and practice...and have some great tasting GUMBO! All funds raised will be used to offset the expenses of the JESC. Any leftovers will be given to the St. Joseph Shelter.

ENTERTAINMENT:

Cajun Music by Mr. Terry Huval, PE & Sons
Following the event, party to reconvene in
Maximilian's Lounge located in the Hilton lobby

REGISTRATION AND FEE DEADLINE:

\$100 per team
Must be received by Wednesday, January 7, 2015

CONTACT INFORMATION:

Brenda Gajan, Executive Director LES
Brenda@les-state.org, 225.924.2021

JUDGES:

Ms. Sherri LeBas, PE, LADOTD Secretary
Mr. Joey Durel, City-Parish President
Mr. Ema Haq, PE, President Bailey's Companies
and Culinary Award Winning Chef

For more information and official rules, visit: <https://www.les-state.org/pdf/2015JESCCookOff.pdf>

Make Plans Now!

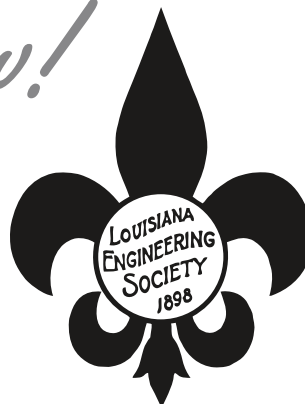
12th Annual

MULTI-STATE ENGINEERING SOCIETY MEETING

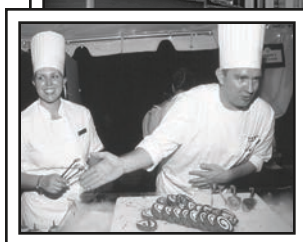


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8 Hour PDH Course - Project Management Concepts for Engineers & Facilities Managers

Presented by: Howard Birnberg

Wednesday, February 18, 2015

7:30 AM - 4:00 PM



LA DOTD Transportation Training & Education Center

4099 Gourrier Avenue

Baton Rouge, LA 70808

Lunch will be served & is included in registration fee

Project delivery options have proliferated in recent years. The roles of project managers have grown along with this proliferation of options. Cost control and on time delivery have become paramount.

As a result, project managers must have a wide variety of skills and tools at their disposal. This course covers delivery options, project management systems and models, and presents some of the key activities required of project managers. Learn the latest project management techniques and put them to work immediately!

- Case Studies
- Project Management Concepts
- Problems with weak or ineffective project management systems
- Project Delivery Methods
- Project Delivery Systems
- Characteristics of Strong/Effective Project Managers
- Responsibilities of Strong/Effective Project Managers
- How many Project Managers does your Organization need?
- Defining Responsibility & Authority
- Effective Delegation
- Training & Mentoring Project Managers
- Soft Skills for Project Managers
 - Time & Meeting Management
 - Effective Writing
 - Public Speaking Skills
- Controlling Project Design Costs
- Project Management Manuals

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Email: _____

☐ **LES Member \$215** ☐ **DOTD Employee \$215** ☐ **Non Member/Non-Employee \$265**

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Mail checks and registration to: Louisiana Engineering Society, 9643 Brookline Ave., Ste. 116 Baton Rouge, LA 70809

You may fax your registration to: (225) 924-2049 or email to les@les-state.org

For more information please visit our website: www.les-state.org

If you have any questions, please call the LES office at (225) 924-2021.

Sorry, no refunds will be given after January 18 , 2015

Seating is limited to 99 participants, so register now!!

MATHCOUNTS®

COUNT ME IN!

The MATHCOUNTS Foundation is celebrating its 32nd year. This program offers hundreds of junior high students a two-part workout to strengthen their numerical know-how and polish their polynomial pride. MATHCOUNTS, a nationwide math coaching competition program, encourages and prepares students to pursue mathematics in high school and beyond by making the subject as fun and exciting as a school sports event.

The MATHCOUNTS programs starts in September with the free distribution of MATHCOUNTS "coaching" materials to math teachers nationwide. Materials focus on problem solving, analytical thinking, exploration, and teamwork. Next, throughout the fall teachers use the prepared "warm ups" and "work outs" as supplement classroom material or as an extracurricular activity to spark seventh and eighth graders interest and achievement in math.

MATHCOUNTS really gets underway in February with local competitions around the state. Winning teams and individuals then progress to the State-level competition held in March. The top students from the state-level competition will finally progress to the national-level competition in May.

The MATHCOUNTS Foundation expects 350,000 students to take part in MATHCOUNTS this year. Since the program

began in 1983, over three million students have participated in MATHCOUNTS coaching and competition.

Today's children need every opportunity to achieve in math to succeed in the new economy. MATHCOUNTS not only engages students in creative approaches to learning mathematics, but it also **helps to create tomorrow's problem solvers in all areas of society. Help make MATHCOUNTS available to more students in this new school year! Please consider making a contribution to this worthy program. Remember, contributions are tax deductible.**

For more information about MATHCOUNTS or to obtain a free school coaching kit, contact Brenda Gajan at the Louisiana Engineering Society at (225) 924-2021 or les@les-state.org.

2015 Competition Dates

Chapters: February 1 – 28, 2015
State: March 26-27, 2015
Pineville, LA

National: May 7-10, 2015
Boston, MA

MATHCOUNTS

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Where You're on a Winning Team Gift/Pledge Form

You know that you're on a winning team with MATHCOUNTS. You may have supported us in the past years. If, so, we want to say "THANKS" in a big way! Our fund-raising campaign for 2014-2015 is getting underway, and we hope that you will support us this year. Please pick a team position from below, clip it from the magazine, and mail it by December 31, 2014. MATHCOUNTS is an education program of LESEF, Inc. LESEF, Inc. is a nonprofit tax-exempt 501 (c) (3) corporation. Your contribution is tax deductible (you will receive an acknowledgement.)

Select a Team Position

- | | |
|------------------------------------------------------|------------------------------------------------------|
| <input type="checkbox"/> The Underwriter (\$5,000) | <input type="checkbox"/> The Major Sponsor (\$2,000) |
| <input type="checkbox"/> The State Sponsor (\$1,000) | <input type="checkbox"/> The Sponsor (\$500) |
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| <input type="checkbox"/> Check enclosed for \$_____ | <input type="checkbox"/> Pledge of \$_____/Bill Me |

Mail to: Brenda Gajan, State Coordinator
Louisiana Engineering Society-State Mathcounts
9643 Brookline Ave., Ste. 116
Baton Rouge, LA 70809
Phone: (225) 924-2021
Email: les@les-state.org

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Thank You! We appreciate your support!

THIEVES IN THE NIGHT: WRITE OFFS

This article has been provided courtesy of XL Group's Design Professional unit and Alexander & Sanders Insurance for Louisiana Engineering Society.

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LES
LOUISIANA ENGINEERING SOCIETY

Informal surveys conducted by XL's Design Professional group find project write-offs and rework can amount to as much as 8%–10% of total project budgeted billings—more widespread and severe than previously imagined.

At a time when margins are already low and competition fierce, the difference between a profitable and unprofitable firm can frequently be measured by the amount of money written off at the close of projects.

Fortunately, write-offs also represent the single largest obstacle to profitability that firms can seek to reduce without changing their client base or raising their prices.

Write-offs generally fall into two classes: rework and unbilled work.

Rework is design work done over and over—but paid for only once. Sometimes rework is produced during the final quality control check before the designs are delivered. It also can result from requests for information (RFIs) from contractors during the construction phase. It is an axiom of quality, however, that the cost of correcting each step beyond the original design increases geometrically. By the time designs go to the field, the cost to correct and rework at that point becomes exorbitant.

Unbilled work is work performed at the request of the owner or client for which no change order is written. In the heat of a project, it's often easy for a project manager to acquiesce to a few changes at the client's request, but, as we all know, a few lead to a few more and when the project is completed the client "forgets" authorizing any of them.

If measures aren't taken to quantify where the write-offs occur, the firm will use the same estimating parameters for the next similar project, undoubtedly with the same result.

This means the mistakes not only occur, but also keep repeating themselves. An investigation into the processes that lead to the write-offs may change the estimating assumptions for the firm overall, with some phases found to take more time and others less. The result should be more accurate estimates of the time it takes to do the project right the first time.

Design Professional recommends measuring the total volume of write-offs as a first step in solving the problem. Write-offs and rework can be assigned their own job number in your accounting software and tagged to a specific activity.

Once write-offs and rework have been defined, the firm can examine the costs by:

- Project types
- Client type
- Internal discipline

Looking at the costs this way provides answers to these types of questions:

- Do we write off more on schools than single-family developments?
- Do we do more rework on schools than shopping centers?
- Is our fire control department doing more rework than our civil department?

Only when these types of analyses are done is the firm able to grapple with the answers. It may be that one type of work is so consistently unprofitable you should abandon it. It may also be that some design clients demand rework as a matter of course, and change orders can be implemented to shore up the situation.

One way to start the process is with a single project "postmortem." The goal of the postmortem, as with a physical autopsy, is to discover why the patient died. Review all project financials, write-offs, stages of billing and profit. Then ask what happened. It is best to come up with two or three quantifiable ideas that can then be measured during the next project. If RFIs are a suspected cause, for example, then measure the sources and types of questions asked in the RFIs. At the end of a designated period, sum the categories for the RFIs to get a clearer picture of how and why these questions are occurring regarding your designs. You may find that you have not furnished complete designs, a subcontractor has been stalling, or your specifications are unclear or incomplete. Without quantifying the problems and attacking the largest ones first, all of them remain equally costly, undefined and unaddressed.

Reducing the amount of write-offs is the key to many firms' ability to remain profitable. While determining and reducing the root causes of write-offs can often cost your firm time and money, those costs are miniscule compared with the time and money you lose in write-offs.

For additional information on this or other professional liability topics visit www.xldp.com.

The information contained herein is intended for informational purposes only and does not constitute legal advice. For legal advice, seek the services of a competent attorney. Any descriptions of insurance provisions are general overviews only.

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Protecting your
community's
drinking water
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The Drinking Water Revolving Loan Fund (DWRLF) is providing low interest loans and technical assistance to public water systems in Louisiana.



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THE SPEC SHEET

Daniel E. Mobley, CAE, *Executive Director*
American Council of Engineering Companies of Louisiana



Daniel E. Mobley, CAE

There's been a flurry of activity lately to find a solution to what's ailing Louisiana's transportation system. To wit:

- The legislature created the Transportation Funding Task Force, which spurred lots of debate, a flurry of white papers and ideas and a trunk full of proposals, from changing DOTD to a commission-based agency to replacing the gas tax with a sales tax on gas and diesel.
- An IBM team of experts dropped in on Baton Rouge to figure out why the traffic is so bad. Their half-million dollar study concluded that we need more data to plan and validate transportation priorities.
- A campaign called "4 For The Roads" got cranked up to build support for Constitutional Amendment 4, a mostly technical amendment to allow the state treasurer to put money into an infrastructure bank the legislature still needs to create. Even though C.A. 4 didn't raise taxes or fees, it was opposed by forces that feared it might cost money down the road.

Lots of activity, but not much progress. However, those of us who support an adequately funded transportation system are at least happy the conversation is happening. In Gov. Jindal's first year in office, many thought he might be the transportation governor many had been looking for. He supported and signed a bill to transfer vehicle sales taxes from the general fund to the state transportation trust fund, but a provision that the general fund be held harmless in the process has blocked that transfer from taking place. Since then, the fourth floor's edict that "tax" is a four-letter word has sent transportation advocates huddling in dark corners of the state capitol, warming their hands over smoldering piles of new funding bills that "almost" got out of committee.

Yes, these last six years have been lean times for engineering companies whose bottom lines live and die by transportation agency budgets. TIMED has run its course, and even the memories of projects fueled by state budget surpluses are taking on a yellowed, nostalgic tint. The amount of state money going toward projects is dwindling, some of it siphoned off to state police, some of it a natural consequence of rising costs just to keep DOTD in a standstill condition. The Louisiana section of the American Society of Civil Engineers gave the bridges a "D+" and the roads a "D," with much of that grade based on current funding and prospects for future funding.

If anyone dares raise the issue of more money for transportation, DOTD leaders give the party line about \$6.3 billion having been invested in roads and bridges since 2008, and there's no need to raise taxes. Whether DOTD believes this or not doesn't matter. More money for transportation is a non-starter and will be until 2016, when a new governor is sworn in.

But, something has happened. Maybe it's the chronic traffic problems that got the public involved, or maybe enough people just kept making noise until the issue got pushed forward. The thing that transportation experts have been talking about – the day of revelation, when the public realizes

that Louisiana roads and bridges have been underfunded – is here, or at least it's within our sightline. So, what's next?

It's one thing to have the conversation. But, it's another thing to have the "real" conversation.

"How do we pay for this?"

Whether you're talking toll roads, public-private partnerships, infrastructure banks, vehicle miles travelled, indexed gasoline tax, bonds, etc. – someone has to reach into their pocket and pay real money. And, for that to happen, Louisiana has to elect a real leader in the next governor's race, someone who will listen to reasoned arguments about the condition of our system and put the issue in front of legislators and the public.

So, what is our role, as transportation advocates? We have to come up with solutions – real solutions involving real money – and sell it to the next governor. We cannot expect any gubernatorial candidate to come up with a transportation plan and a way to pay for it all on his own. We need a plan that everyone can get behind that has these elements:

- Documented need
- Dedicated funding source
- Transparent project selection process
- Public assurance that money will be properly spent

That last element – public assurance – probably is the most important factor. One of the gubernatorial candidates recently said that transportation advocates are too quick to dismiss the role the public plays. We have to keep in mind that no governor or legislator is going to back any plan that does not have public support. The public is not going to entrust the transportation community with more tax dollars just because we need it. We have to sell the public that money is being spent wisely and that it will continue to be spent wisely.

Otherwise, all of this activity is just noise.

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PROJECT OUTLOOK 2014

"Future of Engineering"

When: Thursday, November 13, 2014

Cost: \$195.00 Members
\$350 Non-members

Where: Renaissance Baton Rouge Hotel
7000 Bluebonnet Boulevard
Baton Rouge, LA 70810

SCHEDULE

TIME	EVENT/SPEAKER(S)	ORGANIZATION	TOPIC
7:30 - 8:30	Registration/Continental Breakfast/Welcome		
8:30 - 9:30	Colleges of Engineering: Deans Panel		<i>"The Future Supply of Engineers"</i>
9:30 - 10:30	Sherri LeBas, Secretary	LA DOTD	<i>"ACEC/L Partnership Outcomes"</i>
10:30 - 10:45	Break		
10:45 - 11:45	Mark Moses, Assistant Commissioner	Facility Planning & Control	<i>"State Projects"</i>
	Butch Browning, State Fire Marshal	Department of Public Safety	<i>"The Super Computer"</i>
12:00 - 1:15	LUNCH: Dr. James A. Richardson	LSU Public Administration Institute	<i>"Economic Outlook for Louisiana"</i>
1:30 - 2:30	Don Sherman, Private Practice Client	ACEC	<i>"Where is the Industry headed and do I need to change my paradigm?"</i>
2:30 - 3:30	Industrial Plant Panel: <i>"How to get your Foot into the Gate"</i>		
3:30 - 3:45	Break		
3:45 - 5:00	Ethics Session: Public Bid Law Overview		
5:00 - 7:00	MEMBERS ONLY: Client Appreciation Reception (Separate Registration Required)		

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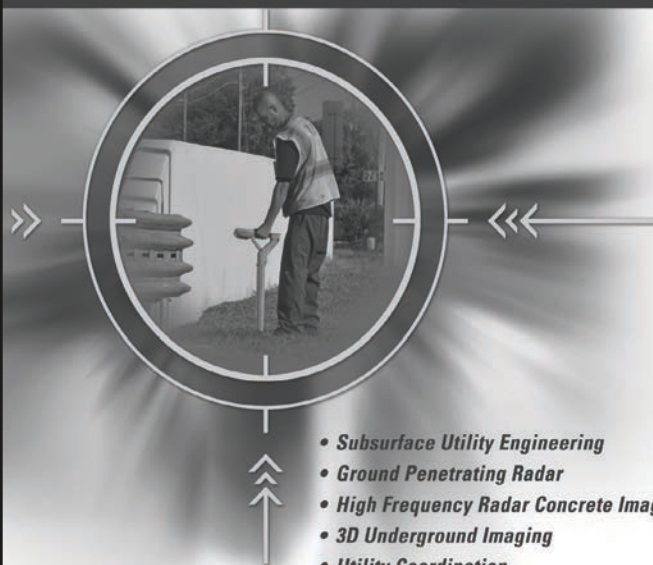
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