

Your Past, Present and Future

Chapter Meetings are held on the third Tuesday of the month and include networking hour, technical presentation and dinner. Board Meetings are regularly held on the first Tuesday of the month at Williker's BBQ Route 20 Shrewsbury, MA.

9/19/17	Architectural Scavenger Hunt
10/17/17	Drones and their Applications
11/21/17	Treehouse Brewery Tour in Charlton
12/8/17	Holiday Party and Yankee Swap Featuring Comedian James Dorsey
1/16/18	Learning How to Implement BIM
2/20/18	Building Code—9th Edition Update
3/20/18	Tour of Railers Practice Hockey Rink
4/17/18	Mock Bid
5/15/18	Commercial Fiber Concrete
6/19/18	Bravehearts Baseball Outing
7/27/18	WCCSI Summer Open



This month's inside stuff

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CSI Worcester County Chapter Meeting

Program: CSI Audacious Holiday Extravaganza
Date: December 8, 2017
Place: Leo's Ristorante
Address: 11 Leo Turo Way
City: Worcester, MA 01604
Time: 5:30 PM Meet & Greet w/ appetizers
 6:30 PM Dinner
 7:15 PM Comedian James Dorsey
 8:00 PM Yankee Swap
Cost: \$35 per Person

A good 'ol fashioned Yankee Swap. Looking to get rid of that nose hair trimmer Aunt Edie gave you for Christmas last year? Not sure what to do with that empty bottle of single-malt scotch you polished off in order to survive Thanksgiving with the in-laws? Well scrape up your goofiest gift and bring it with you to the Yankee Swap. If you're not familiar with the concept, people select and open a gift one at a time, with the second person being allowed to "swap" what they open for the first person's gift and so on until all gifts are open. I'd like to say it's a tradition that sure to not disappoint, but, that's actually a large part of the tradition... Cap your gift spend at \$10-15 and try to come up with something that'll bring a good laugh to all.

Comedy by James Dorsey. After receiving his first D- for conduct in the second grade, James Dorsey realized school was not his cup of tea and took his "disruptive in class" trademark to the stand-up stage and never looked back! He shares life experiences through high energy, witty act outs and facial expressions.



The evening includes a delicious family style meal, cash bar, good company and most likely the dulcet tones of Leon Red-bone's "Christmas Island" playing softly in the background to get you in that festive mood. So come on out and join us for an evening you'll never forget. RSVP to neregcsi@gmail.com

See Page 7 for more details

Please RSVP to Terri Bracken at neregcsi@gmail.com

The Worcestershare Source

Chapter Officers:

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NE Region President: Certification Chair:	Martin J. Helly, CSI, CDT MH Spec 184 Greenleaf Drive Florence, MA 01062-9770 413.586.7769 martyhelly@verizon.net

President's Message

Last week, an individual who had an instrumental part in my pursuit of an architectural career, passed away. Dick Lamoureux, founder of what is now Lamoureux Pagano Associates, was growing his start-up on Shrewsbury Street in 1984 when I was a high school junior at St. John's. For me, it was becoming time to think about college and what to do for the rest of my life. Initially, I thought I'd be a draftsman since my dad worked at Morgan Construction in Worcester, and I'd been exposed to that a bit. My dad, wanting more for me, suggested instead that I become a mechanical engineer or an architect. He set up a shadow day with some engineers at Morgan, and reached out to Dick Lamoureux as just a name in the phonebook to see if he'd let me come see his office too. Dick agreed, and I spent an afternoon over there after school one day. His staff were all friendly, taking time to explain what they were drawing and working on. My tour of the office cemented my decision to pursue architecture; a strange choice given the fact that St. John's offered no vocational or art-based classes at all during my time there. I never met Dick again, but I never forgot the impact he's had (probably unknowingly) on my life.

Today, as one of the many hats I wear within CSI, I'm the Educational Liaison. I reach out to local colleges with design and engineering programs, to introduce CSI and foster involvement by the students. My firm actively pursues the hiring of college interns, usually from Wentworth or Northeastern, to give students some exposure and mentoring. And each year, I still speak about architecture to juniors at St. John's during career night, hopefully making them aware of a career path they may not have considered. I guess my hope is to have an equal impact on the lives of the next generation. Did someone have an impact on your career, getting you where you are? Consider where you be if they hadn't, and look for a way to share what you know with the generations behind us. Who knows, your legacy might include meaningful impact on a kid who'll go on to change the built environment.

Steve VanDyke, CSI
Worcester Chapter President

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WCCSI Board of Directors meeting

"Discussion" of Board of Directors, WCCSI

11/7/17 @ Willikers Tex-Mex, Shrewsbury Ma

Called to Order: Steve Van Dyke @ 5:07 pm

Attendees: Michael Lapomardo, Steve VanDyke, Mike Sheehan, Jim Olender.

1 Reviewed Minutes from the last Board Meeting:

Recommendation to accept

2 Treasurers Report:

Recommendation to File

Brian Waters, from Wells Fargo submitted several recommendations that the entire BOD will review during the next BOD Meeting.

3. Scholarship Planning

1. The Worcester Foundation sent Steve pricing for their services to manage our scholarship fund. Steve has forwarded that to the Scholarship Sub Committee.

- Do we have enough money to cover the Foundations cost for services?
 - How long would it take to implement?
 - Mike L and Mike S will look into Endowments.
2. Erin Cole, a scholarship recipient, sent the BOD a Thank You Card.

4. Website

Will be discussed next month.

5. Membership

Currently at 34 Members

Terri Bracken should have what she needs to consolidate lists.

Steve is waiting for Premade Promo Handouts from National to use at future meetings.

6. Programs

November: Treehouse Brewery Tour: Jen has confirmed with owner Damien. Capping attendance at about 30. CSI will buy Pizza and soft drinks. Attendees

will buy their own beer. \$10 non members. Terri will distribute.

December 8th: Holiday Party and Yankee Swap. Mike

Lhas booked a comedian. Steve will make a flyer. All set with Leo's

January: The Trials and Tribulations of BIM. Pete Caruso confirmed and he is looking for a Facilities Manager that currently uses it.

February- Building Code? Waiting on 9th edition.

March- Tour of the new Railers Practice Hockey Rink/ or the Holy Name Windmill

April- Mock Bid (Neil and Jackie are developing)

May- Commercial Fiber Concrete at the Sterling Plant.

Live Demo (Mike S)

June- Bravehearts Baseball Outing.

July- Golf

7. Academic Outreach- Steve:

- Plan Presentation to FSU through Keith Chenot
- Plan Presentation to WPI through Steve VanDessel

8. Newsletter:

Roland needs content.

9. Other Business:

Marty will take on the role of the Regional Nominating Committee Member for our Local Chapter.

10. Discussion Adjourned at 7:25 pm

Respectfully submitted: Michael Sheehan.



Martin J. Helly Jr.

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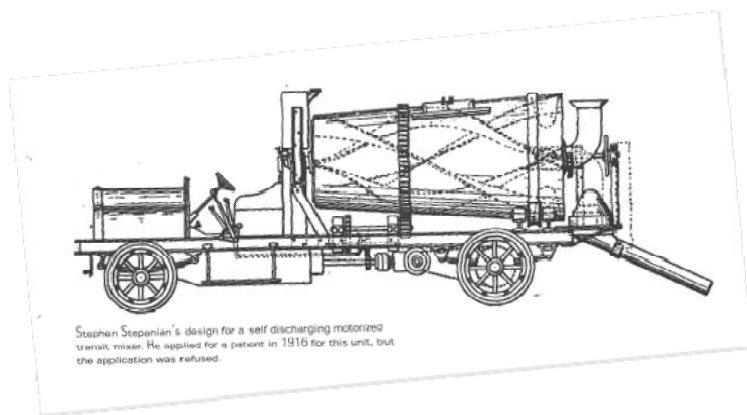
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The Evolution of The Concrete Mixer Truck

By: Mike Sheehan, Secretary, WCCSI



As the holidays approach, children think of toys, and I recall my love affair with trucks, as a kid. In my case, it was the concrete mixer. Little did I know, I would make a career surrounded by these engineering marvels. Without going into great detail, I'd like to point out a few fun facts about the Concrete Mixer Truck.

Sometime around 1909, articles were written about horse drawn mixers, which could mix about a 1/4 cubic yard of concrete while in transit to the job. In 1916, Stephan Stepanian, applied for a patent for the design of a ready mix concrete truck. Although initially rejected, Stepanian has been given credit for the first official design. Others, around the early 1920's, were fastening mixers to Ford Truck Chassis' for the same purpose, however, the most popular method was to mix the concrete at a central mix plant and deliver it in dumping style vehicles. It wasn't until about 1930 that transit mixer trucks were being manufactured and specifically designed as such. The capacity of these early trucks was only 1.5 cu yds, however, the convenience to contractors was enormous, allowing greater accuracy and quality. As popularity grew, so did capacity and features. By the time I was introduced to trucks, as a boy in the 60's, mixers could carry 10 cu yds and were mounted on heavy trucks built by Mack, International and Autocar, to name a few. They featured 150 gal pressurized water tanks, split axles for rough terrain, power steering and airbrakes. By today's standards, they were slow, heavy and the cabs were hot like an oven in the summer, and let's not forget shifting through 18 gears.

Today, the Modern Ready Mix Concrete Truck features mixers that unload from the front with all-wheel drive, automatic transmissions,



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air conditioning, back up camera's, GPS tracking and mapping, and a cab that resembles a fighter jet. Drivers can mix the load, deploy the chutes and unload the truck, without leaving the cab. This design, in many cases, has allowed the concrete form contractor the ability to use one less laborer. The sheer volume that can be delivered to jobsites today can reach 1,000 yd. in a six hour period. So the next time you see a concrete truck, it is the marriage of 2 machines. The driver is operating a truck to a jobsite, while at the same time, mixing and managing a perishable product on his back.

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CSI Practice Session

Processing All Those Submittals!

Thursday, December 7, 2017

3:00 - 4:00 p.m. ET


[Calendar Link](#)

Do you struggle with reviewing and documenting submittals? Are you spending excessive time on your submission processing? We will examine and discuss the pitfalls of processing submittals and discuss the risks involved with reviewing submittals. Join Dave and guest presenters Sal Verrastro and Clint Newton from Spillman Farmer Architects to follow up the October discussion about specifying submittals while Louis vacations.

[Register here](#)

CSI Practice Sessions are not submitted for continuing education credit with AIA or any other organization/institution. The sessions are meant to be community driven and open to discussion. As such, the overall breadth of the session's content cannot be fully promised prior to the session taking place. Following each session, attendees are able to request an attendance certificate to use for self-reporting through a short survey sent to the email used during registration.

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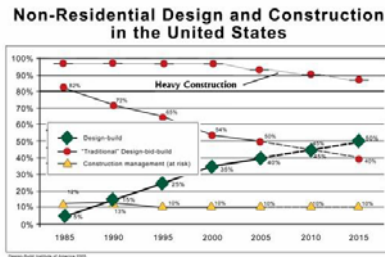
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Time for Change

Time for change?

When I became a Specifier, in 1985, all of the projects I worked on used the "traditional" design-bid-build (DBB) delivery method. And when I started my current job at BWBR in 1996, all we used was DBB. That shouldn't be a surprise because, at the time, there was nothing else, at least in the building construction industry. The Design-Build Institute of America (DBIA) was founded in 1993, coincidentally the same year that USGBC appeared. At the time, DBIA made what seemed to be overly optimistic projections of a future dominated by design-build (DB), with a corresponding decrease in design-bid-build. That prediction is nearing fulfillment, though perhaps at a slower rate than first expected.



Despite the growing popularity of DB, my office has been involved in only a few these projects. Even so, we rarely do DBB projects. Instead, we now use almost entirely one of the CM (construction manager) delivery methods.

As we moved away from design-bid-build projects, we changed our specifications accordingly. During this period I noticed a number of changes in the way we did our work. In 1996, we completed design, issued bidding documents, and typically issued only one or two small addenda, often none. Today, in contrast, we break projects into at least two bid packs, issue documents before they are done, issue at least two large addenda, and finish design using shop drawing submittals.

To accommodate these changes, AIA, EJCDC, CSI, and other organizations have been creating new documents and procedures, and, more importantly, contractors and design professionals have been modifying *their* processes, though in a less coordinated way. The result is less than satisfactory.

In a nutshell, we're using documents and procedures that were written decades ago, designed specifically for DBB. Any other delivery method requires that we use our standard documents in at least slightly different ways, ignore some of them, and often force them to do something they weren't designed to do.

For each delivery method other than DBB, the contractor has already has some relationship with the owner, and has made at least some decisions about how to do the project. In DB and in CM agent projects, the owner and contractor have an agreement and an understanding about how the work will be done. In those cases, there is no point in specifying what has already been agreed to. Even when

the CM is at risk, the CM's involvement in the project during design affects the designer's work, and it affects the contractor's work as well.

Because the contractor is already on board, the front end is altered drastically by removal of bidding requirements, and Division 01, much of which tells the contractor how the designer will run the project, can be greatly reduced.

Specifications, instead of telling the contractor what is required, frequently can simply document the decisions of the project team. For example, instead of specifying and detailing a specific waterproofing system and hoping the contractor uses something similar, the designer, contractor, and waterproofing sub get together and figure out the best way to do the waterproofing. The construction documents then document the decisions. The specifications, instead of being several pages long, can be reduced to a simple statement of which products will be used.

Scheduling also has changed. Instead of stating a single completion date for substantial completion, the contractor, owner, and designer discuss how the schedule will be determined and incorporated. Instead of issuing documents on a single document date, we respond to contractors who want documents when they need them, and that often means delivering incomplete documents so the contractor can seek subcontract bids for things that have yet to be designed. Taken to conclusion, all references to phases and bid packs can be eliminated, and the designer can issue information continually. A comprehensive document control system will ensure that everyone has access to only the current information.

The design phase and the construction document phases, then, change from pure design and specification to collaboration and documentation of what was agreed. That being the case, why do we continue to prepare construction documents for other delivery methods in the same way we do for DBB?

Perhaps it's time for the equivalent of a constitutional convention. Let's invite representatives of the traditional entities - owner, designer, and constructor - and their subcontractors, throw out all existing documents, and create new documents and procedures designed for the non-DBB delivery methods.

Are you feeling revolutionary, or are you content to struggle on with what you have?

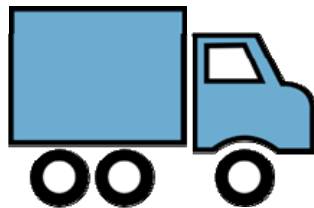
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[Agree? Disagree? Leave your comments at](https://swconstructivethoughts.blogspot.com/2017/11/is-it-time-for-change.html)

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*Local Architect, Richard J. Lamoureux, Sr.
dies at age 79*



SPENCER - Richard J. Lamoureux, Sr., 79, of Spencer, died peacefully Monday, Nov. 20, 2017

Richard was the co-founder of Lamoureux Pagano Associates, Inc. - Architects & Project Managers., Grove Street, Worcester, MA.

Born in Worcester, he was the son of Etienne A. and Carmen Y. (Seguin) Lamoureux and later graduated from the former Assumption Preparatory School in Worcester. He attended St. Bonaventure University and earned a Bachelor in Architectural Engineering degree from the University of Detroit. A kind man with rosy cheeks, twinkling eyes and a healthy sense of humor, Richard was a fine craftsman who spent many hours in his workshop building toys and furniture for his children and grandchildren and lovingly restoring and modernizing his 19th-century Victorian home. He enjoyed hosting boisterous gatherings of family and friends and quiet moments with his wife by the sea. He was a patron of the arts, an avid reader, a traveler, amateur photographer and sports car enthusiast.

Civic-minded, he was a former member of Preservation Worcester, the Spencer Exchange Club and the Spencer Historical Commission and volunteered for many town projects over the years. [Obituary](#)

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Mass.gov

*Ninth Edition of the State
Building Code (780 CMR)*

The ninth edition building code was filed with the Secretary of State on Friday, October 6, 2017 and will therefore become first effective on October 20th.

During their October 10th meeting, members of the Board of Building Regulations and Standards (BBRS) debated whether or not to move the full force and effect date of the code due to a shortened concurrency period, but decided to hold firm with the January 1, 2018 date. Consequently, building permit applications for projects utilizing eighth edition code provisions will need to be filed on or before December 31, 2017. Applications received on or after January 1, 2018, where the project has been designed to the eighth edition, shall be returned to the applicant. The applicant will either need to revise con-

struction documents to comply with ninth edition standards or seek relief through the Building Code Appeals Board (BCAB).

BBRS members also decided to change the Construction Supervisor License (CSL) exam transition date originally scheduled for October 23rd. The exam will transition to the ninth edition code beginning January 1st as well. Exam candidates will be allowed to take either the eighth edition (2009 *I-Codes with amendments*) or ninth edition (2105 *I-Codes with amendments*) into the exam site beginning October 23rd.

As a reminder, the new, ninth edition code is based on modified versions of the following [2015 codes](#) as published by the [International Code Council \(ICC\)](#).

- The International Building Code (IBC);
- International Residential Code (IRC);
- International Existing Building Code (IEBC);
- International Mechanical Code (IMC);
- International Energy Conservation Code (IECC);
- International Swimming Pool and Spa Code (ISPSC); and Portions of the International Fire Code (IFC).

Due to statutory obligations, the one exception to this message is that the 2015 IECC went into effect on August 12, 2016 as an [amendment to the Eighth Edition](#).

[Ninth Edition Base Code Amendments](#)

[Ninth Edition Residential Code Amendments](#)

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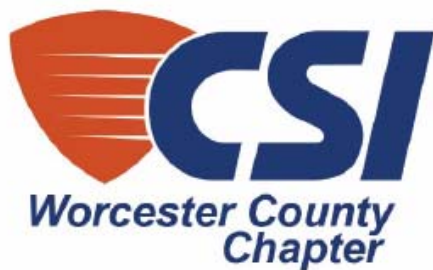
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WCCSI 2017 AUDACIOUS HOLDIAY EXTRAVAGANZA

WHEN: Friday December 8, 2017
 5:30 – Meet & Greet
 6:30 – Dinner
 7:15 – Entertainment
 8:00 – Yankee Swap

WHERE: Leo's Ristorante
 11 Leo Turo Way
 Worcester, MA 01604

COST: TBD



This month, Worcester County CSI takes a break from our typically awesome monthly educational programs to host our annual audacious Holiday Social. Join us at Leo's Ristorante on Shrewsbury Street, for a cavalcade of revelry you'll never forget. This year's program includes:

Comedy by James Dorsey. After receiving his first D- for conduct in the second grade, James Dorsey realized school was not his cup of tea and took his "disruptive in class" trademark to the stand-up stage and never looked back! He shares life experiences through high energy, witty act outs and facial expressions. His usage of imitations and characters is incredibly vivid and entertaining. James was the winner of the Catch A New Rising Star – Season 3 comedy competition inside Twin River Casino. As a result he was flown out to perform a weekend at Catch A Rising Star Comedy Club in Reno, NV. James has been featured on the cover of Worcester Magazine, in Pulse Magazine, The Boston Herald, on Spike TV, the MyTV Network and Comcast On Demand. He was also the grand prize winner of "Worcester's Got Talent" held at the Hanover Theatre.



A good 'ol fashioned Yankee Swap. Looking to get rid of that nose hair trimmer Aunt Edie gave you for Christmas last year? Not sure what to do with that empty bottle of single-malt scotch you polished off in order to survive Thanksgiving with the in-laws? Well scrape up your goofiest gift and bring it with you to the Yankee Swap. If you're not familiar with the concept. People select and open a gift one at a time, with the second person being allowed to "swap" what they open for the first person's gift and so on until all gifts are open. I'd like to say it's a tradition that sure to not disappoint, but, that's actually a large part of the tradition... Cap your gift spend at \$10 and try to come up with something that'll bring a good laugh to all.

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Please RSVP to Terri Bracken at neregcsi@gmail.com

Membership Report - November 2017

Worcester members as of November 30, 2017

33 members
25 professional
5 emeritus
1 retired
2 student

Renewals: Thanks for Renewing:

Mr. Denis Gagnon, CSI

Members needing to be renewed:

Mr. Robert Para Jr., CSI, AIA January 2018
Lynwood Prest, CSI December 2017
Mr. David Panich, CSI, AIA December 2017
John Massengill, MBA, CSI December 2017

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Sponsorships Available!

Contact the Editor for further details.

Sizes and cost

One year = 10 Issues

1/16 Page 1 3/16" x 3 7/8"	\$100 Per Year
1/8 Page - 2 3/8" x 3 7/8"	\$150 Per Year
1/4 Page - 5" x 3 7/8"	\$300 Per Year
1/2 Page - 5" x 8"	\$500 Per Year
Full Page - 8 x 10"	\$750 Per Year Full Page
Limited 8" x 10"	\$100 Per Month

Editor: Roland M. Barrett

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The holidays are here.



WorcesterShare Source Policy Statement

The Worcester County Chapter of CSI is made up of individuals associated with all areas of the construction industry, who meet to promote the interchange of information and experiences in various intimate venues on the third Tuesday of each month, except July and August. This audaciously, zesty publication is intended to further those goals but in that effort may publish material not reflecting the official views of the Construction Specifications Institute (CSI). Therefore, if in the course of digging for information, we should happen to get metaphorical dirt on anyone's nice new white shoes we apologize. Due to the litigious nature of our society and volunteer limitations, authors, the editor, and the shoe cleaning volunteer must disclaim any responsibility for anything herein written or implied. It is not our intention to offend anyone or imply endorsement of anything. We recommend you assume the same conditions apply to anything you read anywhere, it can't hurt.



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