SUMMER 2017

R.E. WARNER & ASSOCIATES Inc.

ENGINEERS
ARCHITECTS
SURVEYORS
CONSTRUCTION MANAGERS

Excellence BY DESIGN

TABLE OF CONTENTS

FEATURES

3	PRESIDENT'S MESSAGE
4	PROJECT DIRECTOR BOB RAMER CELEBRATES 50 YEARS AT R.E. WARNER
8	PERSPECTIVES & INSIGHTS ARCHITECTURE
10	PERSPECTIVES & INSIGHTS INDUSTRIAL SURVEYING
12	PROJECT PROFILES
15	MENTORING
16	NEWEST TEAM MEMBERS
17-21	NEWS OF NOTE
22-23	PROFESSIONAL DEVELOPMENT & CONFERENCES
24-25	COMMUNITY SERVICE

ON THE COVER: PROJECT DIRECTOR BOB RAMER CELEBRATES 50 YEARS AT R.E. WARNER

PRESIDENT'S MESSAGE

by Ted Beltavski, MS, PE

THE DEFINITION OF A "PASSION FOR SERVICE"

50 Years at One Company . . . Truly a Rare Bird

This past month, employees at R.E. Warner came together for a celebration that one doesn't see too often in corporate America. Bob Ramer, Project Director at R.E. Warner, has been with our firm for 50 years. 50 years! Did you know that right now the median amount of time that a worker at any job in the U.S. spends with a company is 4.2 years? Less than one half of 1% of every worker in the U.S. over the last century has spent 50 years with one company. How fortunate we are at R.E. Warner to have had Bob with our firm as a project director, vice president, shareholder, and most importantly, as a friend.

Bob is a shining example of the R.E. Warner mission to all of us. His passion and drive for success are the reasons why R.E. Warner is as strong of an engineering firm as it is. His influence was especially key as we expanded outside of our original steel mill and other industrial work. The impeccable service Bob has given to clients like Ford, Honda, and GM through the years is a lesson for all of us – whether just starting out in this industry or a seasoned engineer – about what it truly means to be a successful engineer, a consultant, and an employee, as well as what it means to love what you do every day you come to work. At Bob's reception, he told us, "Looking back, I wouldn't change a thing. You are my good friends...you are my family. I can't say it any better. I told my sons it doesn't matter what you do for a living, as long as you love what you are doing. That is what is important and I do love what I am doing."

Loyalty, teamwork and a passion to provide the finest service is crucial to R.E. Warner's continued success. At our firm, one of our mottos is "We are known by the company we keep." Because of loyal employees like Bob Ramer, who define that reputation, we continue to achieve at the highest level. As Bob said, "I won't leave here until I make sure that this company is ready for another 50 years." This company is here so that all of us at R.E. Warner have a good job and the ability to work with amazing clients that keep coming back to us year after year. In order to be an engineering firm of the future, our team remains focused on ways to encourage continued growth and leadership. Our clients can continue to expect nothing less.

FEATURE

Project Director Bob Ramer Celebrates 50 Years at R.E. Warner

It is extremely rare for a person to reach 50 years working for one company. R.E. Warner is pleased to share that on Thursday, June 1, 2017, project director Bob Ramer celebrates this milestone.

"This momentous occasion is a testament to Bob's character. He is well regarded by clients and colleagues alike, and we are fortunate for his positive influence on our company over the last five decades" president Ted Beltavski, PE said.

Robert "Bob" C. Ramer, PE joined R.E. Warner & Associates, Inc. on June 1, 1967 as an entry level draftsman after having looked for a part-time position that would allow him to continue attending classes at Lorain Community College. In 1977, he was elected shareholder in recognition of his contributions to the firm. Since then, he's been a vice president, project director, and almost everything in between. Most significantly, he has been influential in the firm's transformation from a steel mill service design firm into a multi-discipline architecture and engineering firm serving many different markets. It is in large part thanks to Bob's technical and relationship

building skills that the firm now has a significant auto and manufacturing practice and boasts clients such as Honda, Ford and General Motors.

Bob has also been active in numerous professional and civic organizations throughout his career. He has been a member of the Cleveland Society of Automotive Engineers (SAE) Section for 16 years and is presently the chapter's Secretary and Math and Science Chairman. He was selected to receive the SAE Distinguished Section Member Award, which is the highest honor for member involvement. Bob is also an active member of the National Society of Professional Engineers.

Bob also makes it a priority to mentor local youth to encourage students to pursue careers in engineering. He often volunteers at area school districts for STEM related programs and has been a Mathcounts Contest volunteer for approximately 30 years. Further, he has served on the SMART Consortium Management Council, advising area school districts on improvements to math and science programs.

On the occasion of this milestone anniversary, we interviewed Bob to learn a little bit more about his experience at R.E. Warner and the changes he's witnessed over the years. Read on to learn a little bit more about Bob.

1. What attracted you to R.E. Warner?

At the time, I was looking for a job in Lorain for the summer and part-time while I was going to Lorain Community College. R.E. Warner had their office in the Broadway Building at the corner of Broadway and East Erie Avenue. Bill Skellenger interviewed me and gave me a job as an entry level draftsman and allowed me time off for school. Bill made a good impression, was a good role model and helped teach me the ropes.

2. What has kept you around for 50 years?

R.E. Warner has always treated me fairly and the people became my best friends and mentors. I have always loved the challenges and opportunities to work on a wide range of different projects. Every day at R.E. Warner is an opportunity to see new things, meet new people and meet new challenges. I have had many different titles and was given opportunities to help grow the firm. The officers of R.E. Warner have always allowed me to do my thing!

3. What has changed and what has stayed the same over the years?

Having been around this many years, I have seen a number of management changes as well as personnel changes and location changes. I even had an opportunity to have an office with a dozen people over the club house at Fox Creek servicing the U.S. Steel Plant in Lorain, Ohio. R.E. Warner has evolved from a steel mill service design firm to a multi-discipline firm serving many different industries. I have had the opportunity to establish the auto and manufacturing business which I have always found interesting, as I am a car guy.

4. Fondest work memory?

My fondest work memory, which isn't work related, is the wonderful support and love that everyone at R.E. Warner has given my family with regard to my grandkids' health problems. I can't thank everyone enough for everything they have done!

5. What are you most proud of in your time at REW and why?

I am most proud of the fact that I was part of helping to make R.E. Warner one of the leading A/E firms in the area.

6. What has been your favorite project that you've been involved in?

I can't say I have a favorite project, but I have to admit I had more fun and had something special to talk about while working on the projects at Cedar Point associated with the roller coasters. Not many people can go there and say R.E. Warner designed the foundations and stations for two of their best rides.

7. What is something that has changed in the work world or about engineering in 50 years that you never would have imagined when you were starting out?

When I was in school I had two slide rules! It is just amazing to imagine how technology has changed the world in my life time. When I was a kid in Parma, we had one phone with a rotary dial,

long cord and a party line (when your phone rang so did half the phones in the neighborhood) — now look what your phone can do!

8. If you could do another job for just one day, what would it be?

I really don't know! I like what I am doing or I wouldn't have been doing it this many years. I have always told my kids and grandkids: If you don't like what you are doing, find another job! If you aren't happy doing what you are doing, you will be wasting most of your life doing something you shouldn't be doing. Enjoy your job; money isn't everything.

9. What are your hobbies and interests outside of work?

I can't just sit and watch TV! I always have to be doing something. Some of my hobbies and interests are:

- Art, painting, photography, etc.
- Family
- Cars (old, new, fast and slow)
- Working around the house (inside and out). I finished off a room over the garage, basement, deck, and lily pond. I even like mowing the grass!
- Regular work outs and swimming (4 to 5 miles a week)

Thanks, Bob, for letting us share your story, and congratulations on celebrating 50 years at R.E. Warner!

PERSPECTIVES & INSIGHTS

ARCHITECTURE

AN OVERVIEW OF LIFE CYCLE COST ANALYSIS

This article is by Jen Kalin, LEED AP, Architectural Designer/Project Manager. Jen has over 10 years of experience in public, commercial, manufacturing, and residential buildings and facilities. Her experience includes programming, schematic design, design development, construction documents and construction administration. She has the capability to provide interior design/interior architecture services. Her portfolio includes new construction, renovation, and expansion projects.

Life cycle cost analysis (LCCA) is the holistic investigation of facility costs to assess the total cost of ownership. This includes building, maintenance and operations costs as well as the residual value of a building or a portion thereof. This process becomes useful during design as architects and engineers evaluate possible alternatives that differ in cost (both initial and long-term) but offer the same performance. For example, this calculation would be used when analyzing whether it makes sense to invest in a higher efficiency HVAC system with a greater initial cost but lower maintenance and operating costs.

To determine the answers to such questions, design professionals utilizing LCCA look at multiple factors and make recommendations based on an individual owner's prioritized goals. The owner may be seeking to decrease hard maintenance costs, increase asset value or produce an overall savings. Each of these scenarios would necessitate a different decision.

In most cases, LCCA looks at the overall cost over the expected life of the building – i.e. "If X is implemented instead of Y, Z will be saved over so many years." This is usually the value owners are considering when evaluating alternatives. In addition, owners often also need to know an alternative's rate of return – when their initial investment will pay off. For example, if an owner is considering installing higher

efficiency toilets for an additional $100 per fixture, a designer performs LCCA to determine at what point the owner will begin to net a savings through decreased water bills.

"LED lighting is almost always a wise investment."

It is important to note that not all building components and solutions providing long-term cost savings require a significantly large upfront investment. At R.E. Warner, we've found that items like LED lighting, high R-value insulation materials, and water efficient plumbing fixtures provide significant savings after a short period time. These are not a significant expense, especially when compared to green roofs, specialty heating/cooling systems and water retention/recirculating systems.

One of the tricky balancing acts with LCCA is weighing whether a larger upfront cost makes sense given how an owner's budget is structured. Often, projects are assigned separate construction and maintenance budgets – not life cycle budgets. With many different variables competing for resources in the construction stage, items with higher costs may not be feasible. And when these situations arise, designers are sometimes asked to present the lowest cost initial solution rather than seek the best long-term solution.

When our clients task us with this charge, we still aim to propose solutions that not just fit the budget, but are also in the owner's best interest. In our experience, the cheapest options often result in headaches. Therefore, we strive to find solutions that are overall a good value. To develop alternatives, we consider factors such as: whether the owner plans to maintain ownership of the building or intends to sell soon; whether the owner will be responsible for maintenance; whether the owner's budget is fixed, with no wiggle room for additional upfront costs; and more.

Full LCCA is not for every project. A full analysis involves multiple parties, research and compilation of a report. A project with a small budget may not be able to afford a full analysis. However, owners who wish to make efficient choices that minimize future maintenance and operations costs may still achieve that to an extent by hiring the right professional. An architect or engineer with experience in LEED design and/or LCCA will be able to tell an owner, within a range, when that extra $100 spent on a water efficient toilet will net a savings. We do this often for clients when a full LCCA is just not practical. It is generally our standard approach to help clients balance upfront costs with long-term objectives.

Looking at life cycle costs can be beneficial to every project and every owner. The process assists the designer and the owner in determining the most efficient way to spend money by taking the present and future into account.

View our capabilities or contact us to discuss your next project.

INDUSTRIAL MECHANICAL EQUIPMENT ALIGNMENT *MEETING THE HIGH ACCURACY DEMANDS OF THE FUTURE*

This article is by Rich Carpenter, PS, Project Director. Rich has over 40 years of experience in surveying, mapping and CAD. As former owner and president of Accurate Technologies, he has managed and provided a wide range of surveying services including property, construction, mechanical alignment, and mapping utilizing the latest technologies such as 3D Laser Scanning, 3D Laser Tracking, 3D CAD modeling, GPS, and Aerial drone mapping. Rich's field experience includes industrial surveys, roadway and construction staking, foundation layout, property, topographic surveys, ALTA, plant mapping, and utility routing. His office experience includes property deed review, mapping, ALTA, property calculations, construction staking calculations, site plans, drainage designs, and alignment survey reports.

The application of surveying in the industrial sector is demanding increasingly precise measurements. This is because manufacturers, industrial designers and fabricators must achieve maximum production from their machinery to remain competitive in today's marketplace.

The accuracy of installations affects the quality of the product, speed of production, number of unsalable products, equipment life, and possibly the manufacturer's equipment warranty. If anything goes wrong, the plant will incur losses. This is of concern not just to the plant, but also to the installation contractor, as the surveyors installing the industrial equipment could be liable for those costs. Given this environment, it is crucial to utilize the latest technologies to meet today's accuracy standards and have proper survey record documentation.

Still, the most common measurement tools currently utilized for industrial surveying are optical instruments, often with a micrometer capable of readings within a few thousandths of an inch. To be fair, this technology is still effective in some cases. However, the optical instrument can supply only one measurement field – an X, Y, or Z reading. To obtain measurements in X, and Z (elevation) in one instance, two different instruments (a transit and a level) would need to be set up. To obtain X, Y, and Z, technically three different instruments would need to be used, but keeping multiple instruments true and on the equipment lines and benchmarks would be a challenge during installation.

Further, the observed X, Y and Z data would need to be compiled into one report. To achieve real-time results, calculations would need to be completed in the field on a calculator or computer program. Making 3D measurement comparisons in the field is very difficult without a CAD engine.

The use of 3D laser tracking equipment solves many of these problems. It is the future of high-precision measurement. 3D laser tracking provides accuracies that cannot be matched by optical survey equipment. In summary, the advantages of using 3D laser tracking include:

- 3D measurements within 0.002 inches.
- One tracker can provide X, Y, and Z measurements.
- A series of measurements can be made on an object to make a solid 3D CAD model.
- The tracker field software has a CAD engine and can model and analyze data for reports.
- All readings are documented and saved for final reports.
- High accuracy 3D project control networks can be created from random tracker positions.
- The tracker can be moved around the project and quickly reestablish its new position.
- The tracker is not set on true centerlines, which allows it to be set up away from the work area.
- The tracker head can be set up at any angle, even upside down.
- The tracker head can be mounted on brackets and attached to columns or bolted into concrete.
- The tracker software can adjust an entire survey network of control points in X, Y and Z positions.
- The software can make corrections for the temperature of the structure or equipment.
- All 3D point data can be downloaded into AutoCAD.

R.E. Warner is one of few firms with surveyors experienced in this technology as well as traditional methods, particularly for industrial applications. Contact us before your next equipment installation to discuss which approach is best for you.

PROJECT PROFILES

VILLAGE OF BRATENAHL SERVICE GARAGE & SALT DOME

The Village of Bratenahl has contracted with R.E. Warner and Cold Harbor Building Company for Design/Build services to construct a new service garage and salt dome. The project includes construction of a new salt dome and service garage, a secure vehicle storage area and above ground storage tank area including all associated site work. Demolition of the existing service garage facility and associated site work is also included.

Jen Kalin is our project manager for this contract.

ADDITIONAL SERVICES FOR INDEPENDENCE ALL-PURPOSE TRAIL

The City of Independence has authorized R.E. Warner to proceed with additional services related to the design and construction of the new 1.7-mile All-Purpose Trail linking the City to Cuyahoga Valley National Park's Ohio & Erie Canal Towpath.

During the preliminary phase, the original trail alignment and bridges were modified and value engineered. This change order encompasses including those modifications in the final design and construction drawings as well as ongoing services during construction.

Justin Haselton is our project manager, Mike Christopher is our Civil Designer, Bill Vasko is the Design Engineer, and Dustin Addair is our surveyor for this contract.

CITY OF ROCKY RIVER ROOF RENOVATION

Architectural and engineering services for renovation of the 26,000 sq. ft. Hamilton Ice Arena roof including all necessary A/E services for the roof renovation and associated HVAC replacement.

Jen Kalin is our project manager for this contract.

CLEVELAND CLINIC HEALTH EDUCATION CAMPUS TRUSS SCAN

3D scanning and modeling services of the installed roof trusses at the Cleveland Clinic Health Education Campus including scanning 9 roof trusses in place and creating a model of all 19 individual roof trusses as field measured.

Chris Tomko is our project manager for this contract. Dave Andrews and Kyle Pastircak are performing the field work.

PROJECT PROFILES

SITE UTILITY SYSTEMS DESIGN

Engineering services to design site utility systems on an automotive manufacturer's property. The new utility systems will provide reliable domestic water and sanitary sewer to new and potentially existing facilities on an independent vehicle test facilities campus.

Matt Benovic is our project manager for this contract.

SLAB YARD MODIFICATIONS

Phase I engineering services to assist with scope development, equipment layout, and design to update a steel plant's slab yard to a slab grinding area including a remodeled electrical room, a new runout conveyor, two new baker ovens and two new slab grinding machines.

Don Salsbury is our project director and Randy Cecil is our project manager for this contract.

NEW WASTE WATER TREATMENT FACILITY

Design services and installation documents for a new waste water treatment facility at a Cleveland chemicals manufacturing process plant.

Mitch Reynolds is our project manager.

AUTO PLANT FIRE RISER STUDY

Study and documentation of fire systems at an automotive plant. Project includes the existing drawings and documentation be complied, verified and organized into a fire system electronic database.

Bob Ramer is the project director and Paul Winkler is the project manager for this project.

AUTOMOTIVE ASSEMBLY MEZZANINE AND CONVEYOR

Structural, HVAC and fire protection drawings for a new mezzanine to accommodate a relocated assembly station at an automotive plant.

Matt Benovic is our project manager for this contract.

MENTORING

Our commitment to future engineers

R.E. WARNER HOSTS SENIOR EXPERIENCE STUDENTS

At R.E. Warner & Associates, Inc., we value the personal development of the individual. One example of this value in practice is that we frequently open our doors to high school students so that they may gain exposure to the engineering profession. This spring, R.E. Warner provided seniors the opportunity to experience a more active and reflective understanding of their potential career by hosting three high school senior students for their Senior Experience Project. This three-week experience is designed to help seniors explore a potential career of interest. The students were Samantha Johnson and Ryan Tatton (Walsh Jesuit) and Logan Haney (Benedictine).

"Having Samantha, Ryan and Logan with us was a great experience," remarked Brett Neff, R.E. Warner Senior Vice President. "Hopefully they learned that a career in engineering/ architecture is right for them. We enjoyed getting to know them. The 'Senior Experience' is a very worthwhile opportunity for high school students to explore career possibilities."

Of her Senior Experience working at R.E. Warner, Samantha said, "Thank you for allowing me to do my senior experience at R.E. Warner. I was able to build a deeper understanding for what a degree in civil engineering might entail. The civil engineering department did a great job introducing me to what engineers do. They were great teachers who helped me to realize how important engineering is in today's world. This was an invaluable experience that has given me a leg up for my future."

Ryan also commented on his time at R.E. Warner. "The insight I gained about myself and about the career of engineering is invaluable and will be useful when deciding my major. Special thanks to Mr. Sarrouh and Mr. Reynolds for opening up to me, teaching me fluid mechanics and numerous (and duly noted) life lessons!"

Logan, our third Senior Experience student had this to say about his experience at R.E. Warner, "Thank you for the opportunity to shadow with you for the week. I know it takes a lot of work to put together a program like this and I appreciate it. I learned a lot while I was at R.E. Warner and it gave me a better understanding of what an architect does."

We wish these seniors the best of luck for a future full of many great achievements and much success!

Senior Experience Students from left to right (Ryan Tatton, Samantha Johnson and Logan Haney)

NEWEST TEAM MEMBERS

R.E. Warner welcomes the following new team members, adding to the strength and tradition of our growing organization.

JOANNE LOGOZZO, PLS // SURVEYOR

Joanne Logozzo joins R. E. Warner as a Surveyor reporting to Justin Haselton. She will be based in the Canton office when not in the field.

Joanne has more than 32 years of surveying experience and is a licensed Professional Land Surveyor (Florida and North Carolina). She has performed in the capacity of survey technician, survey crew chief, quality control specialist and was president of her own surveying companies for more than 20 years. Her experience has included construction layout and precision layout for large-scale projects as well as many different types of surveys including, boundary and topographic, ALTA, as-built, easement, right-of-way, hydrographic, settling/movement, electric transmission line layout, oil and gas pipeline, and more. She has also drafted maps, performed legal research and prepared legal/deed descriptions, prepared certified surveyor's reports, prepared construction inspection reports, prepared cost proposals and contracts, and provided project management services.

Joanne has additional training and experience in erosion and sedimentation control design, conservation easements and other land preservation techniques, storm water wetland and bio-retention design, FEMA flood maps (FIRM), flood insurance study reports (FIS), and letters of map amendment. She is proficient with Survey COGO and drafting software, and Total Stations with a variety of data collectors and associated software, including Trimble S6 Robotic Total Station, Trimble R6 and R8 GPS units, Spectra Precision SP80 GPS Units and Spectra Precision Ranger 3 Data Collector with Survey Pro Software.

Joanne holds the following degrees: A.A.S. in Land Surveying and A.A.S. in Natural Resource Conservation, Parks, Recreation and Wildlife from Muskingum Area Technical College and an A.A.S. in Horticulture from Western Piedmont Community College. She resides in Canton.

GABRIEL HART // SURVEYING TECHNICIAN

Gabriel Hart joins R.E. Warner as a Surveying Technician reporting to Justin Haselton. He will be based in the Canton office when not in the field.

Gabriel holds a Bachelor's of Arts in GIS Geography from Kent State University and has nearly 10 years of GIS experience. He has performed in the capacity of GIS Analyst, GIS Technician, and Fiber Technician. He has analyzed data for U.S. Department of Defense projects, maintained databases for a waste water treatment plant including collecting assets with Trimble GPS, interpreted blueprints to complete database projects for energy companies, and assisted with the conversion of old data into a newer, updated database. He is proficient with ArcMap, ArcCatalog, ArcView, MicroStation Bentley Comm, Trimble GPS Unit, 3D Stereo Graphics, G/Technology MobileViewer and WMIS. Gabriel resides in Warren.

NEWS OF NOTE

R.E. WARNER IS A TOP MULTI-DISCIPLINE ENGINEERING FIRM TO WORK FOR!

R.E. Warner is proud to report that for the fourth year in a row our company has been listed among Zweig Group's Best Multi-Discipline Firms to Work For, a highly-regarded AEC industry honor!

The Best Firms to Work For award recognizes the top architecture, structural engineering, civil engineering, environmental, geotechnical engineering, landscape architecture/planning, and multi-discipline firms in the US and Canada.

We thank all our valued employees who took the time to complete the employee survey. Their feedback and attitudes toward the company make up 40% of our ranking. The other 60% is determined via a corporate survey that speaks to R.E. Warner's performance, employee benefits, policies, practices, and much more. We also thank those individuals who took the time to include meaningful comments in the open-ended questions section. They provide affirmation of what we are doing well while also proposing suggestions for how we can improve as a company.

Click here to see the full list of honorees, by category.

MATT BENOVIC AND RYAN O'HEARN SWORN IN AS ASCE OFFICERS

R.E. Warner congratulates Senior Project Manager Matt Benovic (pictured at right) and Structural Engineer Ryan O'Hearn (pictured second from left) on being sworn in as President and Secretary respectively of The American Society of Civil Engineers Cleveland Section. The ceremony took place at the chapter's Annual Dinner on May 17, 2017 at Nuevo restaurant in Cleveland. Benovic previously served as Vice President and O'Hearn is serving his second term as Secretary.

Main priorities for Benovic and O'Hearn include:

- To complete a Northeast Ohio Regional Report Card to help educate the public on the economic impacts of aging infrastructure.
- To build a sustainable scholarship fund to help the most involved aspiring civil engineers with the rising cost of higher education.
- To grow the educational opportunities the Section offers to its members by bringing in distinguished engineers to speak and building on the technical content of the ASCE Institutes to provide more discipline specific learning events.
- To continue the growth of outreach to middle and high school STEM students, including Great Lakes Science Center program outreach and a weekly afternoon Civil Engineering Club at Orchard STEM School. These programs serve to educate and inspire students to pursue a career in civil engineering.
- To help younger members and graduating students find opportunities to begin or advance their careers.

"I started participating in ASCE as part of the student chapter at Cleveland State, where I served many roles including president," said O'Hearn. "I got involved out of curiosity and a need to step out of my comfort zone, and stayed involved because of the connections I was making with my fellow students and professionals in the industry. My involvement carried on after I graduated. I served as the Younger Member Committee Co-Chair and eventually was Secretary. ASCE helps me refocus on why I chose to be an engineer, and gives me insights on what my career can lead to in the future."

Benovic said, "I began with ASCE as a graduate student at Cleveland State working on the steel bridge building competition. I helped the team with bridge design for two years. Once I graduated, I wanted to get more involved in a structural focused organization and ASCE had the Structural Engineering Institute, which I became Co-Chair. After about a year, I served as Secretary for two years, then Vice President, and now President. I also helped found the Scholarship Committee and serve as Chair."

R.E. Warner is proud to have Matt and Ryan represent our firm within the Cleveland ASCE community.

KEVIN WILSON . . . R.E. WARNER'S NEWEST PE

Congratulations to Kevin Wilson for successfully completing the Principals and Practices of Engineering (PE) earning his Professional Engineering License in the State of Ohio!

Kevin is a graduate of The Ohio State University with a Bachelor of Science in Civil Engineering.

His background includes fall protection, industrial projects and structural inspections. He is experienced in steel, reinforced concrete and anchor bolt design as well as existing structural analysis. He is particularly proficient in AutoCAD, RISA-3D, STAAD Pro, and Excel and has experience with numerous other software programs.

R.E. WARNER ASSOCIATE JUSTIN HASELTON RECOGNIZED AS RISING STAR BY "CIVIL + STRUCTURAL ENGINEERING" MAGAZINE

Justin Haselton, P.E., CPESC, LEED AP, (age 36), Civil Engineering/ Survey Department Manager and shareholder at R.E. Warner, has been named as a 2017 Rising

Star in Civil Engineering by the Zweig Group's Civil + Structural Engineer magazine. Justin is one of 29 professionals in the nation selected in the magazine's sixth annual Rising Stars in Civil Engineering and Rising Stars in Structural Engineering awards program.

The awards program represents civil and structural engineers 40 years old or younger working in the United States who have shown exceptional technical capability, leadership ability, effective teaching or research, or public service benefiting the civil and structural engineering profession, their employers, project owners, and society.

"We are delighted that the Zweig Group selected Justin as one of the 2017 Rising Stars in Civil Engineering," said President Ted Beltavski, PE. "Justin has excellent technical and leadership skills, and he has made many contributions to the engineering profession. We are proud to have him as part of our team and look forward to seeing all that he accomplishes in the years to come."

Justin is responsible for managing and supervising all civil engineering and surveying work and personnel. He directly supervises multiple full-time field survey crews and a team of professional personnel that provide topographic, boundary, ALTA and construction staking survey projects; land planning and site design; utility infrastructure; and transportation engineering. He is responsible for growing and developing the firm's survey and civil engineering practice.

Justin received his Bachelor of Science in Civil Engineering from Case Western Reserve University in 2003 and his Master of Science in Civil Engineering from Cleveland State University in 2011. He became a Registered Professional Engineer in the State of Ohio in 2007 and a Green Building Certification Institute LEED Accredited Professional in 2009. In addition, Justin became a Certified Professional in Erosion and Sediment Control in 2016. Justin's initial assignments were as a civil design engineer on public and private infrastructure projects. As Justin gained experience on progressively challenging projects, his career grew from a civil engineer to a project manager and in 2016 he was promoted to department manager for his leadership skills and ability to plan, organize, coordinate and implement engineering and administrative operations of considerable complex and diversity. In recognition of his many contributions to our company, he was nominated and elected to become a shareholder of the firm in 2012.

He has 13 years of experience in the design and construction of public and private infrastructure improvements. His experience includes state, county and municipal infrastructure improvements and site design for commercial properties. He is particularly proficient in stormwater pollution prevention plans, site, grading, public utility plans, parking areas and permitting.

Recognized as one of R.E. Warner's next generation leaders, Justin has completed the E5 Leadership Academy, a leadership training program with a comprehensive approach to professional and personal growth. He has developed the necessary skills to maintain an overall balance in all facets of his life so that he can perform to his highest potential.

Significant Projects

Justin has successfully completed planning, design and construction administration services for both public and private utility infrastructure improvement projects where he has served as design engineer, project engineer and engineering manager. His significant project experience includes:

Preliminary and installation engineering and specifications and construction administration for an advanced micro mill in Durant, Oklahoma including new roadway layout and design, site drainage including stream relocation, and new buildings.
Site-civil improvements to the Harvard Yard facility including pavement, drainage, security enhancements and traffic improvements for the Cleveland Division of Water, Department of Public Utilities.
Site design and engineering for redevelopment of a 5-1/2 acre site for construction at a new Veterans Administration office building, parking garage and domiciliary on East 105th Street and East Blvd. in Cleveland. Project included roadways, grading, drainage and paving, all utilities, bioretention and stormwater detention.
Analysis, recommendations and conceptual engineering to advance a chemical facility's Vision Plan for expansion and efficiency improvements at their Painesville, Ohio facility. Project included new buildings, roadways and parking, loading and unloading facilities, drumming and packing operations, stormwater basin design and wetland coordination.
Surveying, site design, engineering and construction administration for new Avon Rehabilitation Hospital in Avon, Ohio including land use submittal coordination, on-site/off-site utility coordination, stormwater pollution prevention and existing stormwater pond modifications.
Site design and engineering for a new Alzheimer's Special Care Center in Beachwood, Ohio. Substantial grading, wetland coordination and multiple stormwater basin designs were required for this site.

Professional, Community, & Public Service Organization

Justin has not only achieved great success in service to our clients, but also in serving our community. He seeks to make sustained contributions to our profession's technical community, advancing the efforts of the business, education, and science sectors in Northeast Ohio. He accomplishes this through his activities with the American Society of Civil Engineers where he has served as an active member since 2001. He is committed to future engineers and makes a profound effort to mentor and engage with local students in the surrounding area by participating in speaking engagements at area school districts and promoting shadow students. He also has been instrumental in the development of R.E. Warner's Mentorship Matters program where he serves as an active committee member mentoring new professionals within our organization.

Read the complete news article, Justin's featured brief profile and about each Rising Star's many accomplishments, projects, and activities at http://csengineermag.com/article/2017-rising-stars/.

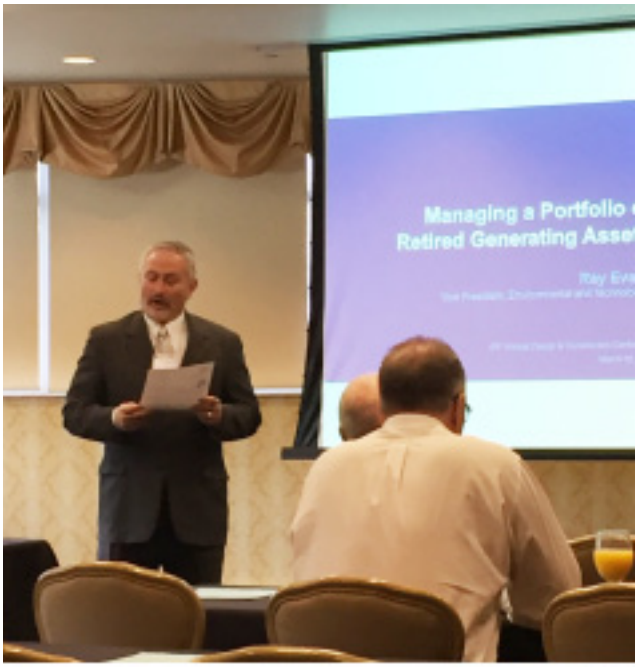
PROFESSIONAL DEVELOPMENT & CONFERENCES

R.E. WARNER ATTENDS 65TH ANNUAL DESIGN & CONSTRUCTION CONFERENCE

R.E. Warner was honored to participate in the Cleveland Engineering Society's 65th Annual Design & Construction Conference on Thursday, March 16th, with Senior Vice President Brett Neff serving as the event's Co-Chair. A record-breaking 350 people attended.

The esteemed 137-year-old Cleveland Engineering Society has been highly influential in elevating the practice of engineering, and the Design & Construction Conference is one of its signature events. Brett, R.E. Warner President Ted Beltavski, and many others from the team were in attendance to take part in this premier forum that facilitates the exchange of ideas advancing our region and profession.

Pictured right: R.E. Warner President Ted Beltavski, PE (top) introduces Ray Evans, Vice President, Environmental at FirstEnergy during a conference breakout session. Senior Vice President Brett Neff (bottom) speaks at the start of the keynote lunch featuring Joe Marinucci, President & CEO of the Downtown Cleveland Alliance.



MAY TRAVELS

With the arrival of spring came a plethora of conferences. Our staff traveled to several different industry events throughout the region and beyond to represent the firm and bring back new insights to better our team. Here are short recaps of our travels:

AISTECH 2017

Four of our metals industry specialists traveled to Nashville to attend sessions and exhibit at AISTech 2017, which took place May 8-11. Attendees included Vice President Frank Johnson, Project Directors Don Salsbury and Ed Dziubek, and Senior Project Manager Matt Benovic. AISTech is one of the preeminent steel industry conferences. The four-day program features 450+ technical presentations, plant tours and keynote presentations showcasing the latest advancements and the various engineering, equipment and process technologies involved in today's steel production.

Our team attended technical sessions on a variety of topics as well as exhibited at the tradeshow to showcase R.E. Warner's wide array of metal production and processing services, notably our engineering and 3D laser tracking and scanning capabilities.

Pictured above: Frank Johnson (left) and Ed Dziubek (right) exhibit at AISTech 2017.

2017 OHIO STORMWATER CONFERENCE

Civil/Survey Department Manager Justin Haselton traveled to the Kalahari Resort and Conference Center located in Sandusky, Ohio for the 2017 Ohio Stormwater Conference, which took place May 10-12. The annual conference is dedicated to advancing the knowledge and understanding of comprehensive stormwater management for those dealing in all aspects of planning, design, implementation and regulatory compliance.

Attendees at this year's conference received updates on environmental issues, new technologies, regulatory information and pollution prevention.

OSWALD ALL OHIO CONVOCATION 2017

Ted Beltavski, President and Matt Barratt, Vice President – Operations traveled to the Columbus region on May 10, 2017 to attend the Oswald All Ohio Convocation at the Nationwide Hotel and Conference Center. This seminar is a risk management program for architects and engineers. Session topics included ideas for improving project delivery, current firm management trends, ethics, and an overview of the 2017 AIA documents changes. The annual conference always proves useful in the continual enhancement of our quality control and project management processes.

COMMUNITY SERVICE

JEANS FOR A CAUSE

R.E. Warner hosts "A Year of Jean's for a Cause," where employees contribute a donation to participate and wear jeans each Friday, with proceeds benefitting employee selected charitable organizations.

In 2016 we raised over $9,000 for 12 different charitable organizations. Half way through the year we have raised $.

This is just one example of our firm's continued commitment to giving back to the communities in which we work and live.

Below is the list of employee suggested charities/ organizations that we have been and will be helping. Information about each organization is provided to our staff monthly to raise awareness and to express why it is important to someone here at our office.

January	Calvin Yeager (the grandson of a retiree and a nephew of a fellow co-worker, who is battling cancer) **Click here** for a video on his story.
February	Crohn's and Colitis Foundation of America - **Click here** for more info.
March	Harvest for Hunger - **Click here** for more info.
April	National Kidney Foundation - **Click here** for more info.
May	Ehlers-Danlos Society - **Click here** for more info.
June	Lutheran Marriage Encounter - **Click here** for more info.
July	Animal Protective League - **Click here** for more info.
August	Ramernation - **Click here** for more info.
September	Parent's United US - **Click here** for more info.
October	Toys for Tots - **Click here** for more info.
November	Edwin's Institute - **Click here** for more info.
December	Painted Wings - **Click here** for more info.

CSU'S ALUMNI SPEAKER SERIES FEATURES R.E. WARNER'S TED BELTAVSKI

R.E. Warner thanks the Cleveland State University Washkewicz College of Engineering for hosting President Ted A. Beltavski on April 13th as part of the Alumni Speaker Series. Ted spoke to a group of upperclassmen to share insight and advice gleaned from his 35-year career. Pictured here are Ted (left), Washkewicz College of Engineering Dean Anette Karlsson, Ph.D. (center), and Lutful Khan, Ph.D., Chair, Civil and Environmental Engineering (right).

TEACHING YOUTH ABOUT OUR PROFESSION

On March 23, structural engineer Ryan O'Hearn volunteered with the ASCE Cleveland Section at the "Dream Big" Immersion Experience at Great Lakes Science Center (GLSC). More than 130 seventh and eighth graders came to GLSC to watch the movie "Dream Big: Engineering Our World" and experience exhibits and activities meant to pique the kids' interest in engineering. Ryan helped the students build catapults out of popsicle sticks and rubber bands. We're always happy to teach the youth in our community about our profession.

OUR MISSION IS TO PROVIDE TECHNICAL SOLUTIONS THROUGH TEAMWORK AND A PASSION FOR SERVICE.

Since our founding in 1951, R.E. Warner & Associates, Inc. has experienced steady and continuous growth. Building on our traditional strengths and values, we have entered into new fields only when it is consistent with the basic mission of our company. Today, R.E. Warner is a full service, multi-discipline consulting firm serving both public and private clients.

We call ourselves multi-discipline because we offer professional services in civil, structural, mechanical, electrical and process engineering; architecture and planning; surveying; and environmental science and engineering.

Our impressive list of clients includes many of our nation's largest steel, automotive and chemical producers, electric power companies, health and educational facilities, and various agencies of the federal, state and local governments.

R.E. Warner's mission is to provide technical solutions through teamwork and a passion for service. Our areas of practice include buildings and facilities, industrial operations and process engineering, infrastructure, transportation, energy management, surveying, environmental and construction services.

In order to fulfill our mission to our clients, R.E. Warner consistently recruits, hires and retains the leaders in our profession. In recognition of our great workplace, R.E. Warner has been named a multi-year winner of the NorthCoast 99 Award, presented annually by the Employers Resource Council to the top 99 companies to work for in Northeast, Ohio.

We invite you to contact many of our peers to discover how working with R.E. Warner can be economical, efficient, professional and down right pleasant!

LOCATIONS:

R.E. Warner & Associates, Inc.
LA Office Plaza II @ LA Centre
25777 Detroit Road, Suite 200
Westlake, Ohio 44145
Phone: 440.835.9400
Fax: 440.835.9474
www.rewarner.com

Accurate Technologies
a Company of R.E. Warner & Associates
5800 Navarre Road S.W.
Canton, Ohio 44706
Phone: 330.478.9313
Fax: 330.478.9314
www.accurate-technologies.com

R.E. WARNER & ASSOCIATES INC.

ENGINEERS
ARCHITECTS
SURVEYORS
CONSTRUCTION MANAGERS

 If you would like a printed version of this publication, please email Lydia Janis at ljanis@rewarner.com.