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## President's Message



**H**ello everyone!  
Many thanks to the membership and to everyone! This has truly been an honor and an exciting year. I am very thankful to have had the opportunity to serve as President of the North Carolina Chapter of APWA.

In this role, I have experienced many new ideas and opportunities to engage, network, learn, and teach others about the knowledge I have gained as president. It has been an amazing journey. I have met and worked with some amazing people that make APWA a great organization to be a part of. I take this moment to say "Thank you" for all your help and support this year! You all are the best! The chapter, networking events, conferences, and workshops would not be as successful as they are without YOU.

I would like to share the opportunity for others to be engaged in APWA-NC. There was a new members luncheon that coincided with the Leadership Training this year, held in Charlotte, NC on November 30, 2023, and we were excited to get to know fifteen new members that were able to attend. I would also like to share that there will be an Annual Meeting to be held in 2024 with details to come at a later date.

Next year, Magda Holloway, as president, will be leading the chapter and providing the membership with new opportunities to be involved and to join APWA-NC. An exciting year to come!

Thank you all for your support this year and your continued support in the future!

Respectfully,

Mae H. Bryant  
APWA-NC President

# DIVISION NEWS

## All Good Things Must Come to an End 2023 APWA Streets and Equipment Services Conference

*Jonathan Hogan, City of Lenoir Public Works*

So the long hot summer has finally come to an end as well as the fantastic APWA Streets and Equipment Services Conference. Now we have moved on to holiday preparations, snow prep. Oops, yeah I did it I said snow. But let us not get too focused on the four letter word while that six letter word that we are all loving right now looms in the background. The word that can be used as both a verb and or noun and sounds great when used at the end of a long work day. What word? Well, leaves of course! I'm sure everybody is chin deep in them as we speak, ready to leave for the day! But seriously, don't let it get you down, it's just another reminder and time to reflect on the amazing work our Public Works staff do around the calendar! Ok, back to business! We truly hope everyone enjoyed the 2023 Streets and Equipment Services Conference this year, it was a great time to socialize, celebrate our coworkers and colleague's successes, learn and meet new friends and partners who we'll hopefully work with down the road! I know I surely had a blast and have already worked with multiple partners whom I would have never met if it were not for the event. So a huge thank you to our partners who helped make this event a success! Thank you to all of our attendees, obviously you all helped make it a success. Congratulations to our award winners, scholarships recipients and new class of Road Scholars. You folks are the future of Public Works, keep up the great work! Last but not least a big thank you to our Streets and Equipment Services Board who worked tirelessly to bring such an amazing event to Greenville, North Carolina and who will again work tirelessly in 2024 to bring their "A" game to Wilmington NC! I mean what better way to close out the year than a good sunburn on a beach before the leaves and snow start falling all over again! We hope everyone has a safe and restful holiday season and we hope to see you next year!



*APWA Streets and Equipment Services Conference*



*Above: Greenville Convention Center*



*Right: Outdoor games at the APWA Streets and Equipment Conference*



# DIVISION NEWS

## Stormwater Management Division

*J. Daniel Colavito, Stormwater Management Division President*

The Stormwater Division is pleased to announce another successful year of educational and networking opportunities.

The Division's Annual Conference was held September 17-19, 2023 at the Sheraton Charlotte Hotel in Charlotte, NC, with a great success! This was the most highly attended SMD conference ever, with registration topping out at 370+! A highlight of the conference was awarding the H. Malcom Rooney Stormwater Professional of the Year award to Mike Huffman, City of Hendersonville, as well as the awards for several Stormwater Projects of the Year.

The Division held two successful virtual educational sessions this year, as well. These events, titled Stormwater in the Cloud, focus on providing the audience with ways to effectively leverage existing resources using creative techniques.

As the year comes to an end and we head into 2024, the focus will be on ensuring that the Division has clearly defined goals, planning for seamless board succession and inclusion of our Young Professionals and other vital APWA Committees.



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# DIVISION NEWS

## Facilities & Grounds Division Annual Fall Event

### *Dennis Stanley, Facilities and Grounds Division President*

The Facilities & Grounds Division held its 2nd annual fall event at Drake's Landing in Fuquay Varina on October 18th with great success and participation turnout. This event offers a morning educational learning opportunity and then shooting skeet on one of the courses.

The morning educational sessions were conducted by Brad Smith from Siemens Mechanical Services and Marshal Warren with Johnston County Agricultural Extension. Brad's presentation focused on Achieving Proactive and Predictive Maintenance Outcomes and Marshall's presentation was a one-hour pesticide credit course on Fire Ants, Moles, and Voles.

After lunch we had over 40 shooters participate in 13-hole course throughout the woods, with stations having wide array of flight patterns to challenge each shooter. Trophies and prizes were provided for the top shooting team, and top shooting individual with random door prizes throughout the event.

The event was a great success and SPECIAL THANKS to our sponsors for making this possible. Sponsors this year were Brightly Software, Stimmel, Wolftrail Engineering, REI Engineers, Siemens, SealMaster, TRS, and RSG Building Solutions.



*Top and Bottom: Facilities & Grounds Division Annual Fall Event Photos*





# DIVISION NEWS

**2024 Leadership and Management Conference**

# **SAVE THE DATE!**

**May  
15–17<sup>th</sup>**

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Conference and the  
Past President's Dinner!*



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5

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# COMMITTEE NEWS

## Accelerating Social Equity in Public Works with GIS

*Adam Carnow, Esri*

Government agencies struggle to ensure residents have equal opportunities to continue their education, secure a well-paying job, find healthy foods, access affordable health care, and locate housing options in safe neighborhoods. They recognize many face challenges due in part to systematic and structural barriers, which constrain access to opportunity. Social equity aims to understand how systems negatively affect certain groups and level the playing field by making investments aligned with the severity of needs.

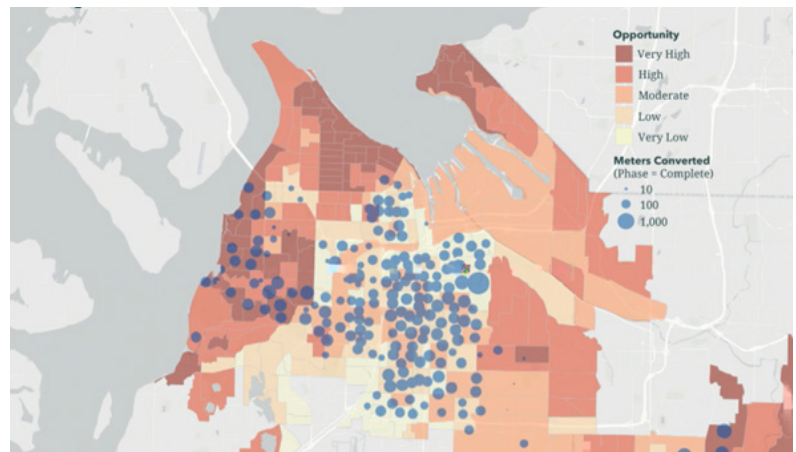
Many governments are making a commitment to social equity and seeking interventions, or policy changes, which reduce burdens for marginalized communities. The most impactful way for public works professionals to enhance equity in their communities is through the fair and even distribution of public services and infrastructure. By nature, equity is a spatial problem, so the use of GIS to create and implement equity strategies is a logical application of technology.

Governments are being asked to take it up a notch and look more closely at the neighborhoods they serve and include analysis of race, income, gender, age, and persons with disabilities. In the past, data was not easily accessible to help make these decisions. Today GIS offers the opportunity to rethink, reengineer, and reimagine the way we extend public works services. There is an opportunity to adapt facilities and open space to shifting demographics, to allocate capital project dollars to communities in need, to enhance economic mobility, and to keep the public safe.

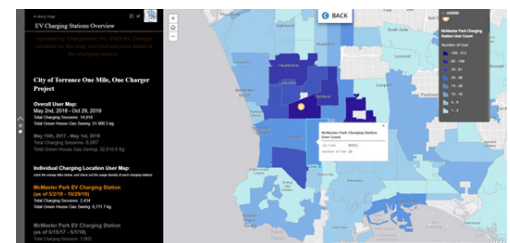
### CIP Equity GIS Success Stories

Here are examples of local government organizations innovating and developing best practices while bringing equity into their public works capital project workflows with GIS technology:

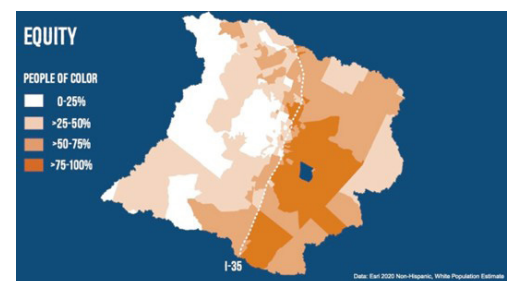
- **Torrance, California** is using demographic and spatial analysis to meet their goal of every electric vehicle driver is never more than one mile from a charging station within the city.
- **Austin, Texas** used equity in their plan to improve the tree canopy across the city to help battle the urban heat island effect and the bias created by the lack of shade trees in minority and lower income neighborhoods.



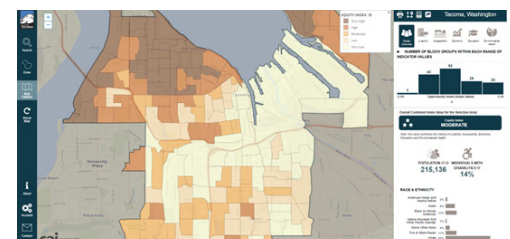
*Equitable Infrastructure Investments*



*Torrance, California*

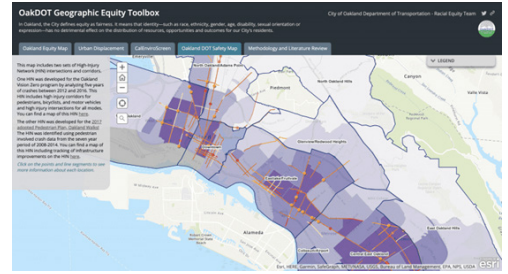


*Austin, Texas*

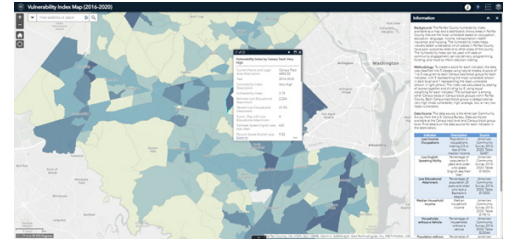


*Tacoma, Washington*

- **Tacoma, Washington** has altered their Capital Investment Planning process to require a review of all proposed projects using an equity index.
- **Oakland, California** is using equity as part of its data-driven prioritization of traffic safety improvements.
- **Fairfax County, Virginia** is using a Vulnerability Index they developed in house to review projects across multiple departments including tree planting and LED streetlight conversions.



*Oakland, California*



*Fairfax County, Virginia*

### ArcGIS Solutions for CIP & Equity

Esri's got you covered with a collection of complimentary industry-specific configurations of ArcGIS that meets your organization's equity needs. Quickly deploy solutions, configure them to meet your needs, and load your authoritative information. No software development required. Configurable out-of-the-box proven solutions to assist with your CIP and equity initiatives and deliver quick wins while reducing risk and enforcing best practices.

- **Social Equity Analysis** – can be used to understand community conditions, analyze demographic data, and communicate racial equity initiatives.
- **Capital Project Planning** – can be used to define a project portfolio, organize the portfolio into an official capital improvement plan, and share the plan with internal and external stakeholders.
- **Capital Project Tracking** – can be used to manage an active project portfolio, communicate project status, and share project updates with internal and external stakeholders.

### Call to Action

If you'd like to learn more about how GIS can help you make your work and community more equitable, please visit this article on [Enhancing Equity Across Public Works \(https://tinyurl.com/ys3v47fa\)](https://tinyurl.com/ys3v47fa).

  
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BEAUFORT, NC

## Cedar Street Green Infrastructure

2024 ACEC Grand Project Recipient



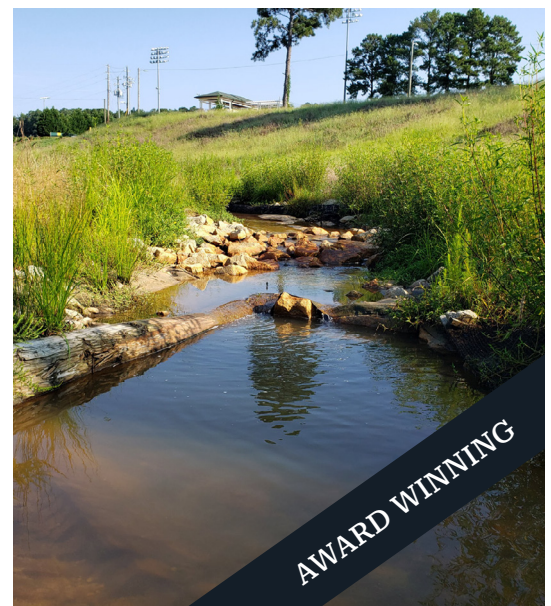
Our talented Water Resources professionals continue to work with local North Carolina communities to assess and provide critical infrastructure improvements.

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FAYETTEVILLE, NC

## Methodist University, Stream Restoration

2021 APWA Stormwater Project of the Year





# IN THE COMMUNITY

## Cross Charlotte Trail Wins Engineering Award

The [Brandywine Road-to-Tyvola Road](#) segment of the Cross Charlotte Trail earned an Engineering Excellence Honors Award in the Transportation category from the [American Council of Engineering Companies \(ACEC\) of North Carolina](#). The award was presented last week in Greensboro. The award celebrates engineering excellence in 12 practice areas, including complexity, community benefit, innovative use of engineering techniques, exceeding of client/owner needs and future value to the engineering profession. Congratulations to Project Manager **Joe Frey**, Urban Infrastructure Program Manager **Tom Russell** and the staff of Kimley-Horn for their wonderful accomplishment!



*L to R: Jason Diaz (Kimley-Horn), Tori Golaszewski (Kimley-Horn), Tom Russell, and Kyle Baugh (Kimley-Horn)*

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# IN THE COMMUNITY

## Celebrating Lou Berry – City of Hickory

### *Chip Vanderzee, APWA-NC 2023 Vice President*

I had the opportunity to join City of Hickory leadership in celebrating a truly remarkable individual, someone who has not only served their community with distinction but has also proven that a heart attack can't keep him down.

Lou Berry's journey from serving as the APWA-NC President of the Solid Waste Division to surviving a heart attack in 2022 at the annual Solid Waste Conference is nothing short of extraordinary. Not only has Lou served as president for the Solid Waste Division (4 times), but under his leadership the Solid Waste Division has been able to provide many hours of training for professional development amongst those in the solid waste industry. In recognition

of his resilience, dedication, and ability to bounce back from adversity, the Solid Waste Division has created a unique (**one time only**) award just to share with Lou as he prepares for retirement in January 2024. It's the "Heart and Hustle Award" – because Lou has a heart as strong as the city he served, and the hustle to overcome any obstacle that comes his way.

But this award isn't just about recognizing Lou's past leadership or his survival skills. It's also about celebrating his organization and family. We appreciate and want to thank his wife Wendy and the City of Hickory for sharing him with APWA-NC for the past (20) twenty years.

Lou has shown us all that humor, determination, and a heart for serving others are the ingredients for success, both in public service and in life. So, we salute Lou, our (4) four-time division president, nutritional consultant, and all-around good guy.

Thank you for your service, your resilience, and your unforgettable sense of humor. **Congratulations!**



*Lou Berry and family*

Passion helps you in  
protecting the community,  
and public service will follow  
it. That has been my career. It  
is the passion that drives me  
to do what I do every day.

Catherine Cortez-Masto



# IN THE COMMUNITY

## Cheers to 2023! It's been a great year!



*APWA-NC State Conference*

The APWA Young Professionals Group kicked off the year with a social at the APWA-NC State Conference, getting to see each other again and meeting some new friendly faces!

We had a great showing at both our Spring and Summer events in 2023! In May, we met up at the Wake Forest Reservoir for our annual volunteering event. Attendees hiked, paddle boarded, and kayaked around the reservoir, cleaning up trash found along the banks and walking trails. Afterwards, we headed to a local brewery for lunch and some well-deserved drinks!

In August, our group tried out some more extreme activities at the White Water Center in Charlotte. White water rafting, ziplining, and the ropes course were all enjoyed by YP members.

November 30th closed out our year with our Holiday Party at Dandelion Market in Uptown Charlotte. All were welcome and we enjoyed getting to see everyone to celebrate the great year we had with the APWA-NC Chapter!



*White Water Center, Charlotte, NC*



*White Water Center, Charlotte, NC*



*Wake Forest Reservoir*



*Wake Forest Reservoir*



*White Water Center, Charlotte, NC*



# IN THE COMMUNITY

## Designating Public Works and Engineering as First Responders



On Nov. 7, 2023 the City of Hickory City Council unanimously passed an ordinance declaring Public Works as First Responders. A short presentation was made by Caroline M. Kone, PE – City of Hickory, Transportation and Engineering Manager (2023 Streets Division, NC-APWA Chapter, president). Ms. Kone explained how Public Works is often the first on scene and last to leave in emergency situations acting as the “silent arm of public safety.” She provided examples when Public Works has responded to emergencies, specifically working in conjunction with Fire, Police, and EMS. A proclamation was made by the City Mayor, Hank Guess, letting all citizens know about this important step in recognizing the hard work Public Works does. It is the hope that more and more municipalities follow suit and all Public Works coworkers around the world are given the recognition they deserve.



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**A RESOLUTION TO DESIGNATE PUBLIC WORKS AND ENGINEERING AS FIRST RESPONDERS  
AS FEDERALLY MANDATED  
BY THE PRESIDENT OF THE UNITED STATES**

**WHEREAS**, the American Public Works Association is a not-for-profit, international organization of more than 30,000 members involved in the field of public works. APWA serves its members by promoting professional excellence and public awareness through education, advocacy, and the exchange of knowledge; and

**WHEREAS**, on May 7, 2018, the American Public Works Association announced the Association's adoption of a national Public Works First Responder symbol. The symbol is to be used throughout North America to recognize public works professionals' federally mandated role as first responders; and

**WHEREAS**, President George W. Bush issued Homeland Security Presidential Directive 5 (HSPD-5), Management of Domestic Incidents, in 2003, in which a public works response to emergencies and disasters is recognized as an absolute necessity, and the federal government is directed to include public works in all planning and response effort; and

**WHEREAS**, the Public Works First Responder symbol uses familiar colors – orange, black, and white – and a design reminiscent of road construction, signs, safety cones, and orange construction barrels. The Public Works First Responder symbol is expected to increase recognition of public works as first responders throughout North America; and

**WHEREAS**, Hickory City Council believes to best provide for the health, safety, and welfare of its citizens, it is appropriate to recognize our employees that put the citizens of the City of Hickory before themselves in time of emergency; and

**WHEREAS**, City of Hickory Employees in multiple departments involved in Disaster Response and Recovery have demonstrated their skills and commitment throughout the years and most recently during the flooding of 2013, the tornado of 2017, snowstorm of 2018, Hurricane Zeta in 2020, and the flooding of 2022 as well as numerous emergency road closures and fire suppression assistance in coordination with the Police Department and Fire Department.

**NOW, THEREFORE, BE IT ORDAINED BY HICKORY CITY COUNCIL**, that the employees of the divisions of Public Works, Stormwater, Solid Waste and Recycling, Traffic, Engineering, Fleet Services, and Public Properties Management are recognized as First Responders and encourage businesses, organizations, community groups, and citizens to extend the many gratuitous offers and benefits provided to First Responders of our community.

This Resolution will become effective upon approval by City Council.

Adopted this 7<sup>th</sup> day of November, 2023.

CITY OF HICKORY

By: \_\_\_\_\_

Hank Guess, Mayor

ATTEST:

\_\_\_\_\_  
Leticia D. Miller  
City Clerk





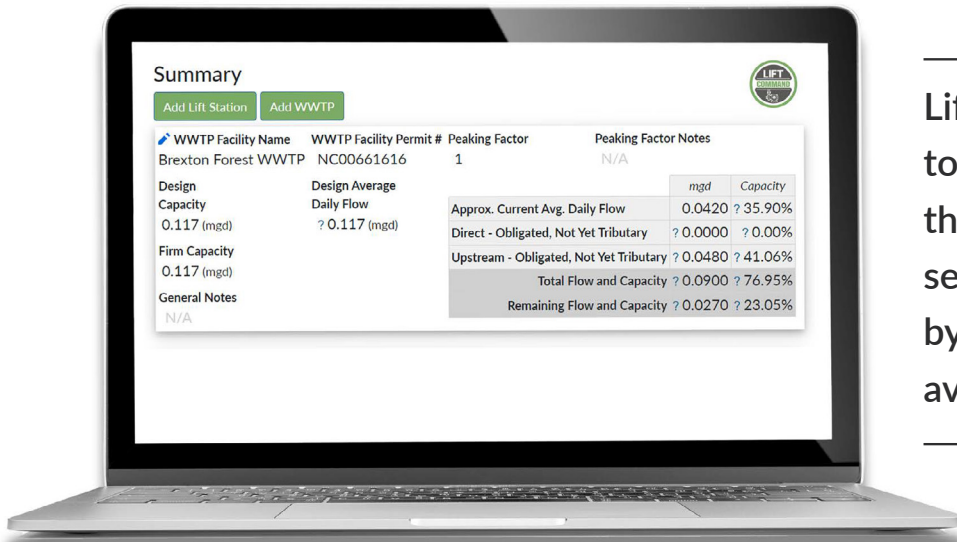
# COMPLIANCE

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# IN THE COMMUNITY

## An Image is Worth a Thousand Words...

### Jordan Lake off Farrington Road



*Photo taken by Rachel Ingham, the Town of Holly Springs Utilities Engineering Manager.*

The water level is so low that you can walk out to the island on what used to be a road typically underwater (see the faded double yellow line). The road and the old house foundations were flooded in 1982 when the lake was created. Mt. Caramel Church Rd is off to the right and Martha's Chapel Rd is beyond the island.





# AMERICAN HIGHWAY PRODUCTS

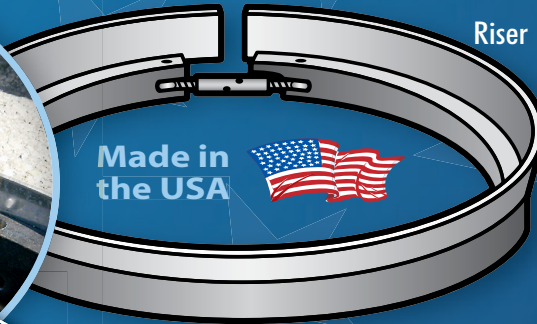
RAISING AMERICA, ONE INCH AT A TIME

## the **PIVOTED TURNBUCKLE** Manhole Riser

The Most Efficient and Powerful Expanding Riser on the Market.



Easy **PIVOTED TURNBUCKLE** Adjustment!



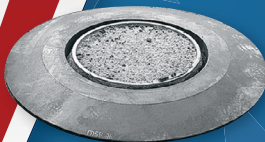
Made in the USA 

Riser heights  $\frac{3}{4}$ " and up in all diameters. 1" diametric variance and DOT approved in most states.

This Manhole Riser will reduce your resurfacing costs. Our Manhole Risers are famous for having a quick and powerful expanding **PIVOTED TURNBUCKLE**. One Day Service Available!

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A cost effective reusable solution for protecting exposed manholes. Provides smooth riding while guarding the riser. Installs easily. Eliminates cold patch.



### Catch Basin/Inlet Riser

Don't leave your Catch Basin grates low, creating a pot hole when you can bring them up to grade quickly, efficiently and reliably using our riser.



### Valve Box Riser

Our patented Compression Gas/Water Valve Risers come with American-made quality you have come to expect from all of our products.



### Safety Ramp

Allows smooth, safe passage for motorists over transverse milled edges, steel utility plates, end of day joints, and at bridges. Reusable alternative to cold patch.



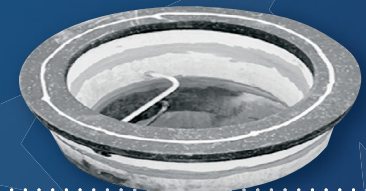
### Inclined Manhole Riser

Now you can RAISE and TILT the manhole cover to match the crown of the road. Unique PIVOTED TURNBUCKLE design makes installation reliable and quick.



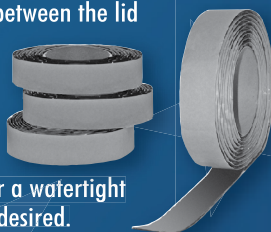
### Rubber Adjusting Ring

Will eliminate noise and vibration while providing a watertight seal. It will also protect the substructure from damage. Quick and easy to install.



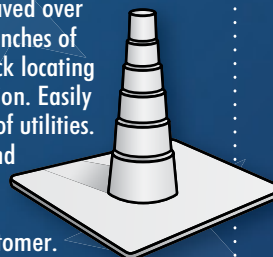
### Sewer Lid Seal Kit

Eliminate lid vibration and reduce moisture penetration. It provides a reliable long lasting gasket between the lid and casting to keep out moisture and debris. Use where sound deadening or a watertight seal is desired.



### Utility Locator

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# CHAPTER CONTACTS

## APWA-NC 2023 OFFICERS

<p><i>President</i> Mae Bryant City of Charlotte mae.bryant@charlottenc.gov</p>	<p><i>President-Elect</i> Magda Holloway Summit Design and Engineering Services magda.holloway@summitde.com</p>	<p><i>Vice President</i> Chip Vanderzee (retired) vanderzeesc@gmail.com</p>
<p><i>Chapter Administrator</i> Kate Davison ITRE NC LTAP apwancadmin@ncsu.edu</p>	<p><i>Treasurer</i> Christina Vanderzee (retired) apwanc treasurer@outlook.com</p>	<p><i>Past President</i> Rebecca "Becky" L. Bost LaBella Associates, PC rbost@labellapc.com</p>
<p><i>Director '22-'23</i> Forrest Jones Town of Garner fjones@garnernc.gov</p>	<p><i>Director '22-'23</i> Earl Manning The Godwin Group emanning@godwin-group.net</p>	<p><i>Director '23-'24</i> Keith Garbrick LaBella kgarbrick@labellapc.com</p>
<p><i>Director '23-'24</i> Shane Parker, PE Summit Design &amp; Engineering shane.parker@summitde.net</p>	<p><i>Director '23-'24</i> Bob Holden bob.holden@americangreenz.com</p>	<p><i>Council of Chapters Delegate</i> James Martin, PE NC State University/ITRE (retired) jbm@ncsu.edu</p>

## APWA-NC 2023 DIVISION PRESIDENTS

<p><i>Equipment Services</i> Gilbert English (retired) City of Burlington genglish@burlingtonnc.gov</p>	<p><i>Facilities and Grounds</i> Dennis Stanley Town of Cary dennis.stanley@townofcary.org</p>	<p><i>Leadership &amp; Management</i> Theresa J. Little Watley City of Charlotte twatley@ci.charlotte.nc.us</p>
<p><i>Streets</i> Caroline Kone, PE City of Hickory ckone@hickorync.gov</p>	<p><i>Stormwater</i> Daniel Colavito Town of Holly Springs daniel.colavito@hollyspringsnc.us</p>	<p><i>Solid Waste</i> David Cox City of New Bern coxd@newbernnc.gov</p>

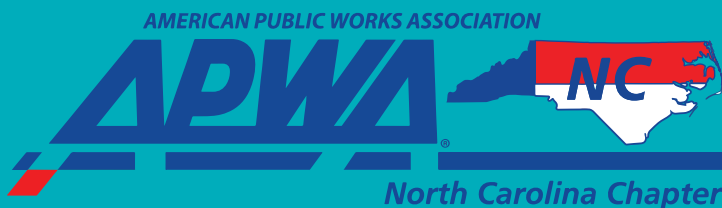


# Advertise in the North Carolina Chapter News

## ACCEPTING NEWSLETTER PARTNERS FOR 2024

What are your marketing goals in 2024? Is expanding your brand exposure one of them? As we look forward to 2024, APWA-NC encourages you to consider advertising with us in our quarterly digital newsletter. **By leveraging our subscriber list, you will be seen by over 1,200 industry professionals throughout the state. This is your chance to have four ads AND provide one technical article in the APWA-NC 2024 newsletter.** In this way, our advertisers can enjoy the full benefits of being a part of our newsletter at a cost that can't be beat for digital advertising!

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## OUR MISSION

Engage the public works community and citizens through support, education, advocacy and outreach by creating opportunities for training, accountability, networking and growth for the benefit of all.