Greetings!

President's Message

Hi WDCSITE,

I hope this latest edition of the WDCSITE Newsletter finds you healthy and safe. The warm spring days and reopening news has been filling me with hope of a return to normalcy. It will be interesting to see if volumes pick up over the next month, regardless of transportation mode. I look forward to being able to do more throughout our community while keeping in mind social distancing guidelines. It's imperative the return to normalcy is paired with the decline in the rates of cases and hospitalizations.

On the back of hopeful news, it is unfortunate I must also touch on some bad news that affects our community close to heart. Our fellow colleague, Pat Timbrook, passed away. You may find details regarding her life and passing below. Please join me in having Pat Timbrook and her family in your thoughts and prayers. I'm glad I was able to meet Pat and I can't imagine all the professionals she's learned from, helped out, and inspired over the course of her career. Thank you for all you have done for this industry, Pat.

May 14 saw the return of WDCSITE programming. Although it was a virtual event it was great to see WDCSITE come together once again to listen to relevant transportation topics. Thank you to all who participated and hosted, especially David Nguyen, Jon Bondanella, and Elisa Mitchell. We're proud of our ongoing STEM activities and are looking forward to interacting virtually with middle school students from the City of Takoma Park, MD this Friday, May 29. Thank you, Adam for your ongoing efforts to bring STEM to our community.

One of the goals for our scholarship program was to provide a sustained source of funding. This past month we increased our annual contribution to the program. I'm hopeful we can continue to increase our scholarship fund over the coming years to ensure that aid for future generations.

If you are interested in working with the Board and Leadership groups to curate engaging topics for presentations or other resources, please reach out to any one
As always, please stay safe. Thank you for your extra effort during this time.

Cheers,
David Duarte
2020 WDCSITE President

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WDCSITE Mourns the Passing of Pat Timbrook, 68

It is with a heavy heart that WDCSITE announces that Patricia Timbrook-McMullan, 68 of Annandale, VA, passed away at her home on May 26, 2020 after a battle with cancer.

Pat was a long-time member of WDCSITE and served admirably as our section's president in 2007. She was also a past president and current board member for the Intelligent Transportation Society of Maryland.

Pat applied her mathematics degree from Juniata College to begin her career as the first woman hired for a survey crew by the Arlington County, and eventually became the project manager for the County’s first computerized traffic signal system. After her time at the County, Pat transitioned to the private sector, where she held positions as a traffic engineer and ITS director at Frederic R. Harris. Pat’s most recent career endeavor was founding T3 Design Corporation in 2006, a woman-owned consulting firm that specializes in traffic and transportation engineering and now staffs almost 40 employees.

A gathering to celebrate the life of Pat will be scheduled at a later date.

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Traffic Bowl Trivia Challenge - Question

**QUESTION:**

What is the process of estimating the number of vehicles or people that will use a specific transportation facility in the future?

Scroll to the end of the newsletter for the answer!

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Arlington County Virtual Meeting Announced
To view the calendar of events, webinars, and meetings organized by ITE and its partners, please click on the image above. Schedule dates are subject to change.

To view the current job postings via WDCSITE, please click on the image above.

Volunteers

Are you interested in volunteering with events, meetings, & other activities with WDCSITE? We are looking for motivated enthusiastic individuals to further WDCSITE’s goal and make us the professional organization of choice. Please contact Jon Crisafi or Elisa Mitchell to volunteer.

Topics and Speakers

We are always looking for fresh ideas, topics, and presentations. If you are interested presenting at a WDCSITE event, please reach out to David Duarte.

Presentations from all transportation and related disciplines are welcome.

WDCSITE is pleased to host a virtual meeting for the Arlington County staff to discuss their on-going effort to cope with the impact from COVID-19 and highlight some of the projects in the County, ranging from technology to multimodal improvements.

Please mark your calendar for a one-hour virtual meeting from 10 to 11 AM on Thursday, June 4. The official announcement and meeting agenda will be provided in a separate email. We look forward to having your participation.

MDOT MTA Regional Transit Plan - Request for Comments

MDOT MTA is inviting everyone to comment on their draft Regional Transit Plan. The comment period closes on June 18, 2020. Comments can be made through the website link below, the RTP e-mail, or the RTP phone hotline (443-475-0687). Additionally, MDOT MTA created an RTP overview document for anyone who may be interested in providing comments but would benefit from some background information beforehand. The website link for the overview document is also provided below.

Click Here to Comment on the RTP Draft Plan

RTP Overview

Call for Membership Feedback on COVID-19

WDCSITE understands that this has been a challenging time for many people, including for our industry as whole. We want to hear your insights and stories on how the COVID-19 pandemic has transformed transportation in our region. We will highlight a selection of your stories in the next few editions of our newsletter.

Please make your submissions (or any questions) to Phil Koloski.

Northwest Salisbury Bikeway Project Overview

By David Duarte and Angie Hernandez

The City of Salisbury is committed to expanding and enhancing its bikeway network citywide. The City, assisted by their consultant JMT, recently received...
grant funding assistance to implement new on road bicycle facilities identified in Northwest Salisbury to continue expanding the low-stress bicycle network. Phase I has been funded for construction and will include improved bike lanes along with other traffic calming features on Isabella Avenue and Lake Street. The new bike lanes will incorporate a striped buffer with raised lane separators where feasible to improve comfort and safety.

This project follows the recent construction of a two-way protected bike lane along Waverly Drive. Congratulations to the City of Salisbury for promoting active transportation!

Existing bikes to be extended along Isabella Avenue.
Two-way separated bike lanes featuring low-profile vertical delineators in the marked buffer along Waverly Drive.

David Duarte is a Traffic Engineer and Angie Hernandez is a Planner, both for JMT.

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**Lynn Street Esplanade and Custis Trail Improvements Project Overview**

*By Yusaf Masud*

VDOT’s $9.3 million Lynn Street Esplanade and Custis Trail Improvements project, in cooperation with Arlington County, made bicycle and pedestrian improvements along portions of North Lynn Street and Lee Highway in Rosslyn. The project, completed in May 2020, aimed to improve pedestrian and cyclist safety, as well as provide additional traffic management and street beautification.

North Lynn Street improvements included wider sidewalks, improved curb ramps, upgraded traffic signals, a new bike lane, decorative lighting and landscaping. Similar improvements were also made to the signalized intersections along southbound Lee Highway between North Lynn Street and North Oak Street. The Custis Trail, located along southbound Lee Highway, was widened to 16 feet and shifted away from the travel lanes, with an eight-foot-wide grass buffer separating the trail from the roadway. This was done by removing one of the three southbound lanes of Lee Highway. The new design provides improved non-motorized access to both the Mount Vernon Trailhead and the Key Bridge into Washington.

The project also supported Arlington County’s public art installation entitled “Corridor of Light,” with prominent elements at each of the four corners of the North Lynn Street bridge over I-66.
Yusaf Masud is an Area Construction Engineer for Virginia Department of Transportation.

**Smart Signals Webinar Recap**

In conjunction with WDCSITE, David Nguyen, founder of ThruGreen, and Jon Bondanella of TS&T led a webinar to discuss ThruGreen’s new technology for adaptive traffic control systems. The technology includes an application that can transmit data from drivers’ smart phones to an installed device in the traffic light controller. The device is set to detect incoming vehicles, store their information and supplement it to the current signal timing plan. The signals communicate this information and adapt to changes in traffic condition to improve the progression of traffic and reduce the amount of time that travelers spend idling.

Areas highlighted in the discussion included pedestrian detection, prioritizing emergency vehicles, buses, and data security. Also discussed during the webinar were the infrastructure needs to implement smart signals and social behavior challenges as we move towards digitized roadways and connected signals.

Many thanks to David and Jon for leading the charge on WDCSITE’s inaugural virtual meeting.

**Meet-a-Member: Adam Greenstein**

1. **Please introduce yourself and tell us about your role in WDCSITE.**
   
   My name is Adam Greenstein. I am the WDCSITE Secretary/Treasurer for 2020. I have been a member of WDCSITE since 2016.

2. **Please tell us about your family.**
   
   My wife, Andie, and I have been married since 2014. She is an accountant for a small firm in Washington, DC. Both my and my wife’s parents still live in the Philadelphia area where we grew up, so trips to visit them are convenient and consolidated but usually hectic.

3. **Please tell us something about your hobbies and activities outside work.**
   
   My primary activity outside of work is trumpet playing. I have been a member of the Columbia Concert Band in Howard County since 2010 and joined the Columbia Big Band in 2019. Each ensemble rehearses once per week and typically performs free concerts open to the public 4-5 times per year. I also am a die-hard Philadelphia sports fan, much to the chagrin of many of my colleagues and fellow ITE members in the Baltimore/DC area. When the weather is nice, I enjoy playing golf every couple of weeks.

4. **Tell us briefly about your work - firm/organization, your role. What does your typical workday look like?**
   
   I am a Technical Principal in Traffic Engineering for WSP in Baltimore, MD. Most of my projects involve complete streets, CAVs, traffic studies, and traffic control.
my projects involve complete streets, CAVs, traffic studies, and traffic control device planning. I recently completed an on-site project management task for WMATA to refine and expand their bus transit signal priority program. Since I joined WSP, I have served as a Project Manager consultant for Anne Arundel County as part of their complete-streets corridor planning study program and have conducted traffic engineering studies and concept designs for several state agencies in the Mid-Atlantic region. I am also actively involved in marketing and business development for our office.

5. What projects have you worked on that have had a big impact on your career or on a community?

The project with the greatest technical impact on my professional development is the Nice/Middleton Bridge replacement on US 301 in Charles County, MD. I have played a key role in various stages of project development, including evaluation of Performance-Based Practical Design, safety, MOT and TMP proposals, toll plaza operational and geometric assessments for conversion to AET, data collection, and ITS planning. Having served as the lead engineer for Charles County in MDOT SHA District 5 Traffic earlier in my career, helping the project move towards realization is especially fulfilling. It brings my experience full circle seeing both the public- and private-sector sides of the unique challenges of a project of this scope because it will have a wide-reaching impact on interstate travel in the Mid-Atlantic region and beyond.

Public outreach has been the most valuable experience in my career, regardless of project. Connecting with the public has provided invaluable learning experiences for me in understanding communities’ needs for key transportation improvements to make their neighborhoods safer, more accessible, and more vibrant through improved quality of life. A big part of my role with Anne Arundel County and as a Traffic Team Leader for MDOT SHA District 3 involved public outreach and have been eye-opening in how connecting with the public and elected officials impacts the goals and outcomes of projects. I welcome the challenge of working with stakeholders when they are particularly frustrated with sensitive transportation issues, as it truly tests my skills in justifying engineering decisions while showing that we genuinely care about their concerns, regardless of who they are and where they live.

6. What is your favorite WDCSITE, activity/event you have participated in and what activity/event/presentation would you like to see next?

My favorite events have been the bike tours. They have given me a new perspective on urban and suburban bicycling issues. It would be great to see future events involving demonstrations of locally-tested autonomous shuttles. I believe we could create an engaging dialogue within our membership because there is so much testing going on in within our section’s borders, so there are several opportunities to experience this first-hand.

7. When and how did you get involved with ITE and how has your involvement in ITE, especially WDCSITE, helped your career?

I first got involved with ITE as a student member of the chapter at Washington University in St. Louis in 2006. Although our chapter was small, we were very active and held events often, even garnering interest from students outside of the civil engineering department and even the engineering school. My membership lapsed after graduating in 2008, but I rejoined in 2016, soon after joining WSP. Being involved in WDCSITE has given me opportunities to connect with a wide variety of transportation professionals outside of project work and change the way we
communicate. It is an avenue that I find highly valuable for sharing unique, and sometimes crazy, ideas and learning more about peoples’ interests outside of work.

8. What topic (besides connected and autonomous vehicles) are you most interested in seeing progress in the next 10-15 years in the transportation industry?
I am interested in the evolution of how we study and mitigate for transportation impacts from developer projects, especially from a multimodal perspective. With changing trends in land use planning, urban population, and mode choice, our ways of approaching developer projects must be adaptable.

9. What advice would you give to a young transportation engineer?
Work on improving your communication skills early and often. Engineering is a complex field, but communication is more difficult to master and can make or break your path towards success. In your work in the transportation field you are almost guaranteed to be in tense situations with coworkers, clients / service providers, contractors, students, academics, the public, and elected officials. Confidence in communication makes a world of difference in solving problems.

**New ITE Members**

WDCSITE would like to offer a warm welcome to the following new ITE members in our section!

**New Members**
John Irish
Jaleh Moslehi
Bryce Perry
Richard Smith
Mi Young Park

WDCSITE is happy to have you aboard and looks forward to your future participation.

**Traffic Bowl Trivia Challenge - Answer**

ANSWER: *Transportation forecasting*

Tune in next month for another round of the Traffic Bowl Trivia Challenge!

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Civil & Environmental Engineering Department

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We would love to hear your thoughts / comments / suggestions on the newsletter. Please feel free to reach out to our newsletter committee!

Thank You,

Dana Slone, Krishna Patnam, Eric Tang, & Philip Koloski
Newsletter Committee