



## Key Message

Welcome to the October edition of the LADOTD e-Construction Newsletter! As we transition into the autumn season, we are excited to bring you the latest updates, insights, and important information from the Louisiana Department of Transportation and Development.

In this edition, we will bring you our regular calendar of events, and we are introducing an exciting new section for questions and feedback. Lastly, don't miss our valuable insights from the recent Annual Committee on Construction meeting at the end of the newsletter.

Thank you for your continued dedication to building a safer, more efficient, and sustainable Louisiana. We hope you find this newsletter informative and engaging. If you have any questions, comments, or suggestions, please don't hesitate to reach out to our team.

Let's make October a month of progress and achievement! Together, we'll continue to shape the future of transportation in Louisiana.

Best regards,

LADOTD e-Construction team

## Q&A and Feedback



Don't like asking questions or sharing your feedback on Zoom calls? We get it.

Tap the buttons and do it here!

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## Upcoming Calendar

### Monthly Webinar

SIGN UP

JOIN

10/17/23 | 10:00AM CST

- Views in HeadLight Materials
- HeadLight SamplePlan Refresher

### Q&A Session

SIGN UP

JOIN

10/14/23 | 10:00AM CST

The conversation continues with a Q&A session this month! Bring your questions, concerns, and ideas and we'll provide the answers.

### Micro Learning

SIGN UP

JOIN

10/26/23 | 1:00PM CST

You are invited to join us for our annual monthly micro learning session. In this month's session, we will provide a step-by-step demonstration on how to hand select the projects that appear on your iPad. Understanding this process is crucial as it can significantly improve the speed, response time, and syncing habits of your device.



*e-Construction's Kevin Barbier passing on his expertise in materials to student workers.*

## Resources



HeadLight Support



HeadLight Academy



FAQ Document



HQ Construction



e-Construction Email



Webpage

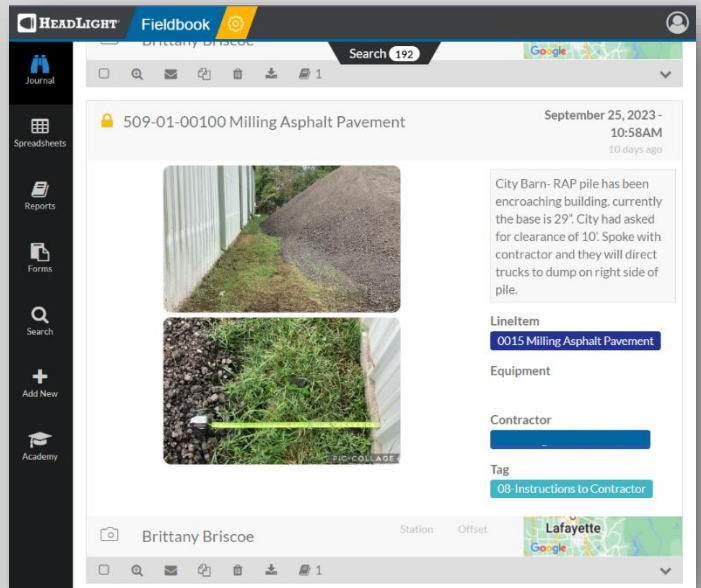
## HeadLight Heroes

### District 03 Brittany Briscoe

**"Precision with instruction, verifying Accuracy in its Execution"**

This month, we're shining a spotlight on Brittany Briscoe for her exceptional observations and utilization of HeadLight tools. Last month, Brittany demonstrated her expertise by effectively capturing deficiencies, verbal instructions, and project requirements using our platform.

What truly sets Brittany apart is her ability to provide valuable context alongside her observations. She goes above and beyond by incorporating visual aids that support her findings. While we emphasize the importance of utilizing images and videos to gather data in the field, Brittany reminds us of the significance of understanding the "why" behind the captured information.



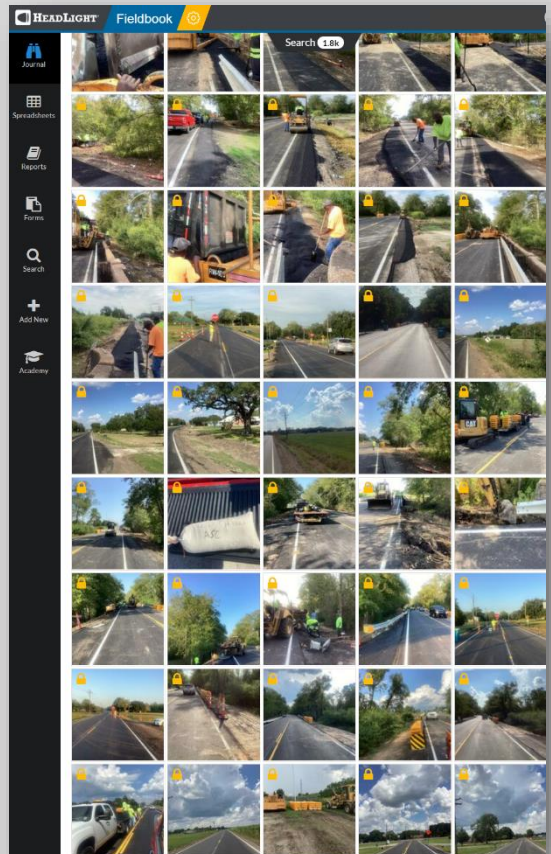
Brittany, we want to express our sincere appreciation for your outstanding work. Your dedication to excellence and attention to detail are truly commendable. Thank you for your valuable contributions, and congratulations on this well-deserved recognition!

### ECM Consultants David Waller

**"No limit in Capturing Images"**

This month, we are thrilled to also shine a light on David Waller from ECM Consultants. One question we often receive is, "How many images or photos are required?" Well, the answer is simple: as many as necessary to showcase the completion of work and align with the compliance of the manual or specifications set forth.

David truly exemplified this concept in his image observations last month. With a dedicated effort to capture images from the beginning to the end daily, over 50 percent of his observations were of visual data. While we don't emphasize quantity in images, it is inevitable to capture all the essential aspects of a project. David, we want to express our deepest gratitude and appreciation for your outstanding work. Your commitment to not missing a beat on the project is truly commendable. Thank you for your exceptional contributions, and keep up the fantastic work!



## VIRTUAL COURSES & TRAINING

### iPad Project List

**How about another 1 minute video tutorial?**

Click on the YouTube link to learn how to keep your iPad project list up-to-date.



### September e-Construction Webinar



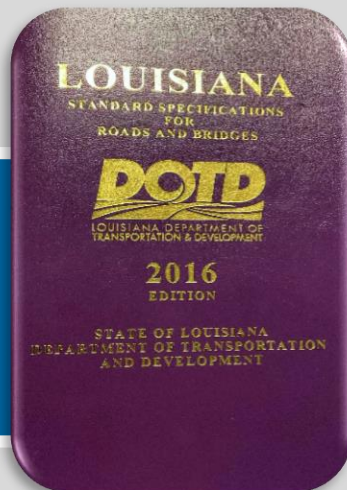
Missed the September e-Construction webinar? HeadLight's Phillip Graves demonstrates how to use the Customers app and Profile app to manage accounts. Les Fletcher goes over recent support issues.



## Tips and Tricks

### Spec Book on the iPad

Click the purple book for an instructional PDF showing how to add it to the Adobe app on your iPad.



### Search Multiple Words & Phrases

One of the most valuable tools and benefits of HeadLight is its Search functionality. This feature allows users to have a comprehensive view of the work being done on a project from start to finish. It enables users to have a clear understanding of the specifics within the project feed. While many users are already aware of how to take advantage of this feature, I would like to share a helpful tip that can further enhance the use of the Search Functionality.

By including the ("") at the beginning and end of a multiple-word search, you can narrow down the results to only show observations that contain that specific phrase. This can be particularly useful when you are looking for specific information within the project feed.

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### Here are some steps you can follow to try out this helpful trick:

1. Open your preferred web browser and go to the HeadLight Fieldbook login page at <https://fieldbook.headlight.com/login.html>.
2. Enter your login credentials (username and password) to access your account.
3. Once logged in, ensure that you have verified the project you wish to view observations for. This step ensures that you're searching within the correct project.
4. In the middle of your screen, at top, you will see a "Search" tab. Click or tap on it.
5. You will be presented with several options for search. To search for a specific phrase, type in the opening backslash quotation mark (\") followed by the words or phrase you want to search. Then, add the closing backslash quotation mark (\").
6. After entering your desired search phrase, press the Enter key on your keyboard.
7. The search results will now display only the observations that contain the words or phrases you entered, allowing you to quickly find the relevant information.

By using this tip, you can save time and quickly find the exact information you are looking for within the project feed.

## SEPTEMBER e-CONSTRUCTION HIGHLIGHTS

### Highlights from the AASHTO Committee on Construction Annual Meeting

In the ever-evolving landscape of construction technology and practices, staying at the forefront of innovation is crucial for state Departments of Transportation. Our very own Patrick Icenogle, along with fellow construction leadership, had the privilege of attending the AASHTO (American Association of State Highway and Transportation Officials) Committee on Construction annual meeting in Kansas City, Missouri last month. This meeting served as a platform for sharing insights, discussing challenges, and exploring the latest trends in the world of construction.

#### e-Construction Initiatives: Where Does Louisiana Stand?

One of the primary objectives of Patrick's attendance at this meeting was to learn about e-Construction initiatives undertaken by other state DOTs and assess where Louisiana stands in this e-Construction journey. The conversations were robust and illuminating, encompassing a wide array of pertinent topics:

#### Work Zone Safety

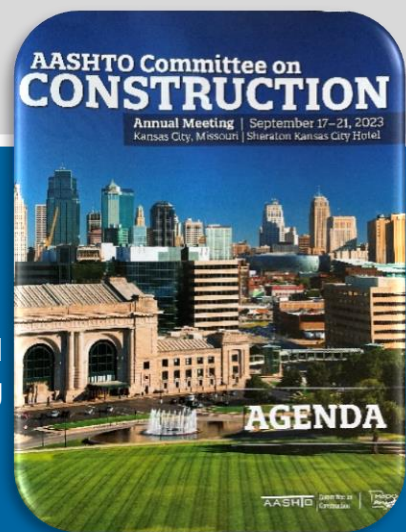
- 1.Connected Equipment:** The integration of technology into construction equipment, such as sensors and IoT devices, was a prominent discussion. These innovations have the potential to enhance safety, efficiency, and data collection on work sites.
- 2.Connected Vehicles:** The advent of connected vehicle technology, including vehicle-to-infrastructure communication, is paving the way for safer work zones.
- 3.Better Enforcement:** The importance of stringent enforcement measures to ensure safety standards were highlighted.

#### Lack of Workers

- 1.How to Retain:** With a shortage of skilled construction workers in many regions, retention strategies and professional development were explored. e-Construction is being used to bridge the gap.
- 2.Competitive Pay:** Offering competitive compensation packages was identified as a crucial factor in attracting and retaining top talent.
- 3.Improved Job Titles:** The introduction of appealing job titles, such as "automation specialist," was discussed to make the industry more appealing to the younger workforce.

#### Build America, Buy America

- 1.Manufactured Products vs. Constructed Products:** Debates on the merits of manufactured products versus those that are constructed on-site and their implications for infrastructure projects were brought to the forefront.



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### Research Sessions: Exploring Cutting-Edge Technologies

A highlight of the meeting was the research sessions, where experts delved into groundbreaking technological advancements:

- 1. Alaska's Use of UAS Docks:** The innovative utilization of Unmanned Aerial Systems (UAS) for monitoring avalanche potential in Alaska's challenging terrain.
- 2. Remote Sensing Labs and Starlink Mobile:** Harnessing remote sensing capabilities, alongside Elon Musk's Starlink mobile network, to enhance data collection and communication.
- 3. Lidar Integration into Skydio Cloud:** Exploring the integration of Lidar technology into the Skydio cloud for advanced data calculations.
- 4. FAA Waivers for Drone Docks:** Insights into obtaining FAA waivers in specific areas to facilitate the deployment of drone docking stations for construction site monitoring.

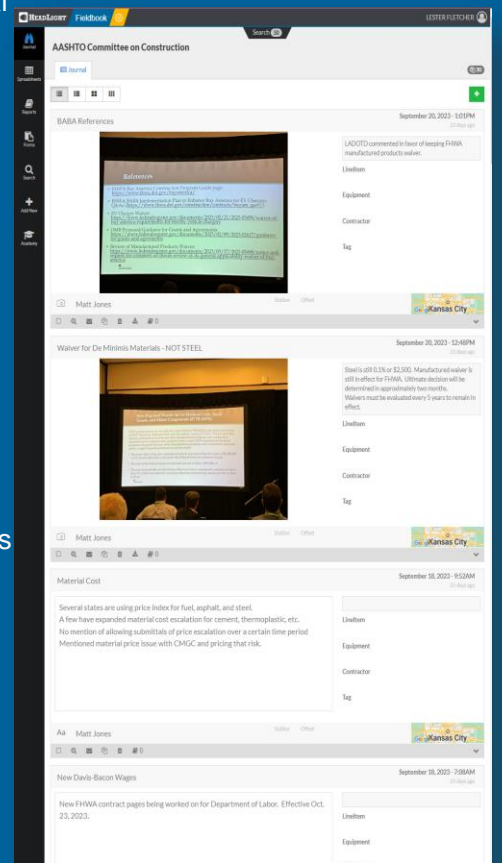
### Breakout Sessions: Bridging the Gap Between Tech and Workers

The breakout sessions provided invaluable insights into several key areas:

- 1. E-Ticketing Standardization:** The adoption of electronic ticketing as the new norm in construction processes.
- 2. BIM Implementation:** The growing push for Building Information Modeling (BIM) and its impact on construction projects.
- 3. Tech Training for Workers:** Strategies for effectively conveying and training workers in the adoption of new technologies.
- 4. Utilizing CHATGPT as a Training Tool:** The exploration of AI and Natural Language Processing tools like CHATGPT for training purposes. Imagine getting answers to common questions via Chabot.
- 5. GPS Rovers:** The use of GPS rovers for precise location-based data collection and positioning.
- 6. Data Connections and Mining:** Leveraging data connections for comprehensive data mining and analytics.
- 7. Pop-Up Wi-Fi Networks:** Innovative solutions for ensuring continuous Wi-Fi coverage on construction sites through devices with multiple SIM cards and providers.
- 8. Digital Construction Management:** The adoption of digital tools and platforms for effective construction project management.
- 9. Lidar Pre-Scan and Post-Scan for As-Built Plans:** The application of Lidar technology for generating as-built plans before and after construction.
- 10. Equipment with BIM Viewing Screens:** Equipping construction machinery with screens for real-time viewing of BIM models at different stages of construction.
- 11. Continuous Density Specification for Asphalt:** The quest for achieving a continuous density specification based on thermal profiles and roller stiffness in asphalt construction.
- 12. HaulHub DOT Portal:** A platform to enhance communication between agencies and contractors, including scheduling and calendar events to streamline project coordination for e-Ticketing activities.

The AASHTO Committee on Construction annual meeting was an enlightening experience that allowed us to gain insights into the latest advancements in e-Construction, network with our peers, and take inspiration for furthering our own initiatives here at LADOTD. As we continue to adapt and evolve in this ever-changing industry, we remain committed to embracing innovation and pushing the boundaries of what's possible in construction technology. LADOTD has made extensive progress in the world of e-Construction over the past several years. Our goal is to make the LADOTD the innovation leader.

Patrick has already begun working with FHWA to secure the funding needed to test and implement most of the new tech discussed at this conference. Stay tuned as we innovate together!



*Matt Jones used HeadLight Fieldbook to document the conference.*