

# Innovation Exchange Webinars 2020

*Target audience: Local Government, FLMAs, Tribes and Counties.*

*Conversations Launching Change*

## January

**January 23 – 1:00 pm– 2:30 pm EST**  
none scheduled

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## February

**February 6 – 1:00 pm– 2:30 pm EST**

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### **How Do We Prepare for Connected and Autonomous Vehicles?**

Connected and automated vehicles (CAVs) (a.k.a. connected and autonomous vehicles and driver-less cars) is a transformative technology that has great potential for reducing traffic accidents, enhancing quality-of-life, and improving the efficiency of transportation systems. CAVs offer potential safety benefits but also introduce uncertainty for the agencies responsible for the planning, design, construction, operation, and maintenance of the roadway infrastructure. This webinar is for you, if you want to know what the future holds as CAVs are safely and efficiently integrated into the road network. Then see how the City of Greenville in Greenville County, South Carolina is implementing the technology as driverless taxis.

Presenters:

John Corbin, FHWA, 708-325-6256 (not yet confirmed)

Dwayne Cooper, Greenville, SC, 864-467-4400 (not yet confirmed)

**February 20 – 1:00 pm– 2:30 pm EST**

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### **Anti-Icing Success Stories**

Agencies can enhance safety before severe freezing weather strikes when they accurately predict storms and apply anti-icing onto the roads. This will not be just a “how to apply brine” webinar, but one that offers advice on optimizing anti-icing programs. This webinar will have an overview of anti-icing technology, with local agency successful case examples. Potential topics may include what are the better products, how early can one treat, how effective is the anti-icing after the storm hits, what are the ways to extend the anti-icing effectiveness, how to maximize your clear-road efficiency, and how to justify your program with reduced accidents and injuries, cost savings, and customer satisfaction.

## March

**March 5 – 1:00 pm– 2:30 pm EST**

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### **Fixing Damaged Culverts In-Place**

Replacing deteriorated and damaged buried culverts and pipes for streams, storm water, fresh water, or sewer can be time-consuming and costly. Repairing them in place does not require road closures, detours, large equipment, and deep excavation. This no-dig trenchless technology approach is a cost-effective solution that still delivers quality improvements. This webinar will show the existing and emerging repair methods that address the various types of deterioration or damage, and how to use an intentional selection process to identify the optimum repair. Local agency success stories will share how trenchless technology is being expanded to repair shapes other than just circular, fix elements outside the conventional 12 to 48 inch diameters. Included will be examples of how to repair atypical damage and other tricky situations. The talk will also show how to balance the engineering and hydraulic



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repair solutions with innovative environmental modifications that address the aquatic organism passage needs.

**March 19 – 1:00 pm– 2:30 pm EST**

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### **More EDC Pavement Preservation Tools**

This webinar will show how Pavement Preservation, an Every Day Counts (EDC) innovation, is about applying the right treatment to the right road at the right time. It will identify what work meets the criteria to qualify as Pavement Preservation and other activities that do not that are more for maintenance, restoration, and rehabilitation. Local agencies will learn how they can cost-effectively extend their pavement life by applying preservation methods found using an intentional evaluation and selection process. Additional local agency examples will show the steps on how to self-perform the work thus keeping workers busy, and realizing at the same time a tangible cost savings. A case will also be illustrated on justifying a Pavement Preservation program at a county, city, FLMA, or Tribal level.

## April

**April 2 – 1:00 pm– 2:30 pm EST**

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### **EDC Safe Transportation for Every Pedestrian (STEP)**

Safe Transportation for Every Pedestrian (STEP), an Every Day Counts (EDC) innovation, is about a new type of “STEP” to keep pedestrians safe at uncontrolled road crossing locations. This webinar will outline five cost-effective countermeasures available to local agencies, and identify resources to guide in their selection and installation. Stories from local agencies will tell of county, city, and Tribal deployment leadership, with details on site and countermeasure selection, installation, monitoring and improved safety measures of success. (RRFB at Chinle HS, Navajo)

**April 16 – 1:00 pm– 2:30 pm EST**

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### **SHRP2 Railroad Crossing Coordination**

Each year, thousands of highway projects - either those renewing existing roadways or building new ones - intersect with railroad crossings. This webinar will show that by using the tools included in the Strategic Highway Research Program 2 (SHRP2) Railroad-DOT Mitigation Strategies (R16), public agencies and railroads can identify and work through possible sources of conflict and develop agreements to advance these projects. The presentation will tell how through face-to-face gatherings called Communities of Interest, agency participants work through a resource document that includes a collection of railroad-DOT model agreements, sample contracts, training materials, and standardized best practices. A local agency representative with experience in using this tool will share their success story, as will a spokesman from one of the railroads.

Presenters;

Julie Johnston, FHWA, 202-591-5858 (confirmed)

TBD, USF&WS

TBD, Railroad



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## May

**May 7 – 1:00 pm– 2:30 pm EST**

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### **Green Innovations for Storm Water Management**

If your climate change model includes more rain, then your aging storm water system may be in trouble of being overwhelmed. This webinar will share innovative methods employed by local agencies that divert and capture storm water before it enters downstream waterways. Examples of how counties and cities hold water while it seeps into the ground may include green roofs, roadside gullies, vegetated retention plots, rain barrels, and pervious pavements. Check out advancements promoted for example by the Green Infrastructure Coalition, the Rhode Island's Stormwater Management Program, and the International Erosion Control Association. See how you too can get engaged and deploy these green innovations.

**May 21 – 1:00 pm– 2:30 pm EST**

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### **Asset Data Management**

- Check in with Steve Gaj
- Making good decisions using the data
- See what the professor has in mind

## June

**June 4 – 1:00 pm– 2:30 pm EST**

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### **Project Bundling: Local Success Stories**

Project Bundling, an Every Day Counts (EDC) innovation, is about both large and small agencies delivering multiple projects under a single contract. Project Bundling brings together more than just bridge projects, and benefits agencies of all sizes. This webinar will show examples of local and tribal agencies achieving design and construction economies of scale cost savings, and also expediting a shorter overall completion time. Come see how counties, cities, and tribes can bundle a variety of regionally dispersed construction, maintenance, and emergency repair work activities, and also link together with adjacent agencies' projects across traditional jurisdictional boundaries.

Presenters:

- Short overview (of BBGB) targeting Project Bundling for local agencies
- One or two County Engineers (Check EDC reporting)
- One or two tribes (Acoma/Pawnee/Cahuilla)

**June 18 – 1:00 pm– 2:30 pm EST**

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### **Going Green at the Local Level with Biobased Products**

Executive Orders 13423 Overview and Updates: Chris V. Case, United Soybean Board, (906) 553-2511 (not yet confirmed)

Lexington, MA liquid organic plant-based asphalt rejuvenator (Delta Mist). (See magazine Asphalt Contractor, Dec 2019, fog seal, pp62.): John Livsey, Town Engineer, or Michael Sprague, Sr. Civil Engineer, 781-274-8300 ext. 8305. (not yet confirmed)

A county's conversion to all biobased (story not yet confirmed)



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## July

**July 9 – 1:00 pm– 2:30 pm EST**

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**Using Short Span Steel Bridges at the Local Level**

Local agency success stories

**July 23 – 1:00 pm– 2:30 pm EST**

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**3D Printing: It's Not Just for Big Agencies**

3D printing overview

USACE printing of a bridge

Another local example

## August

**August 6 – 1:00 pm– 2:30 pm EST**

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**Emergency Innovations for ER, ERFO, and FEMA**

FLH ERFO Toolkit: A package of ready to go repair methods

Watertight Damage Survey Reports (DSR), Detailed Damage Inspection Reports (DDIR), and Damage Assessment Forms

Justifying Betterments: Successful Examples

**Center for Local-Aid Support**



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Future Topics:

September 2020: Dynamic System to Warn Motorists of the Presence of Bicycles

September 2020: BABM Winners and Runner-ups 2020

Locally Available Sustainable Resources (LASR): If we can find local examples

Rockeries: If we can find local examples

