

Transforming Transportation through Innovation

ASTM Resiliency Webinar
October 21, 2020

Jeffrey Zaharewicz, Acting Director
Center for Accelerating Innovation



U.S. Department of Transportation
Federal Highway Administration

*Unless otherwise noted, FHWA is the source
of all images in this presentation.*



CAI's Portfolio of Innovation Programs



Making Every Day Count?

State- and local-based model that identifies and rapidly deploys proven, yet underutilized innovations to:



Shorten Project Delivery



Enhance Roadway Safety



Reduce Traffic Congestion



Integrate Automation

Stakeholder-engaged Model

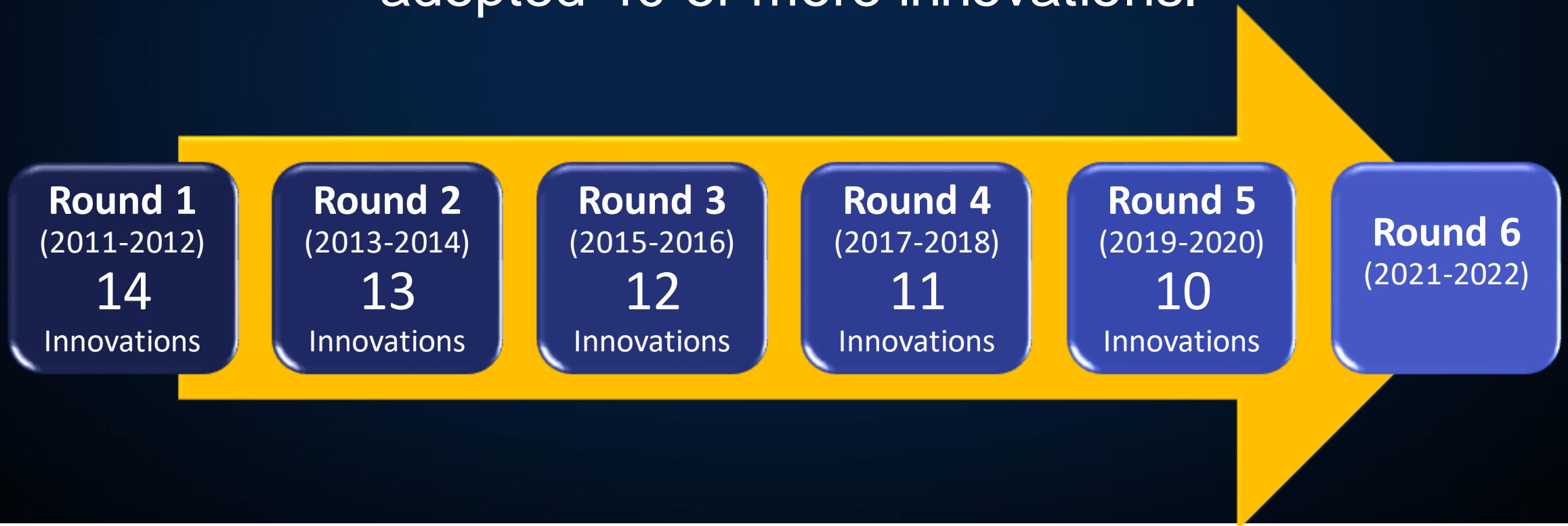


What is the impact of EDC?

- **Fostering a *culture of innovation***
- **Replicating innovation more quickly**
- **Saving days to months of time and millions of dollars on key projects**
- **Putting the right tools and resources in the hands of those who need them**

Track Record of Success

Every State advanced 19 or more of the 52 innovations promoted in the first five EDC rounds, and some States adopted 40 or more innovations.



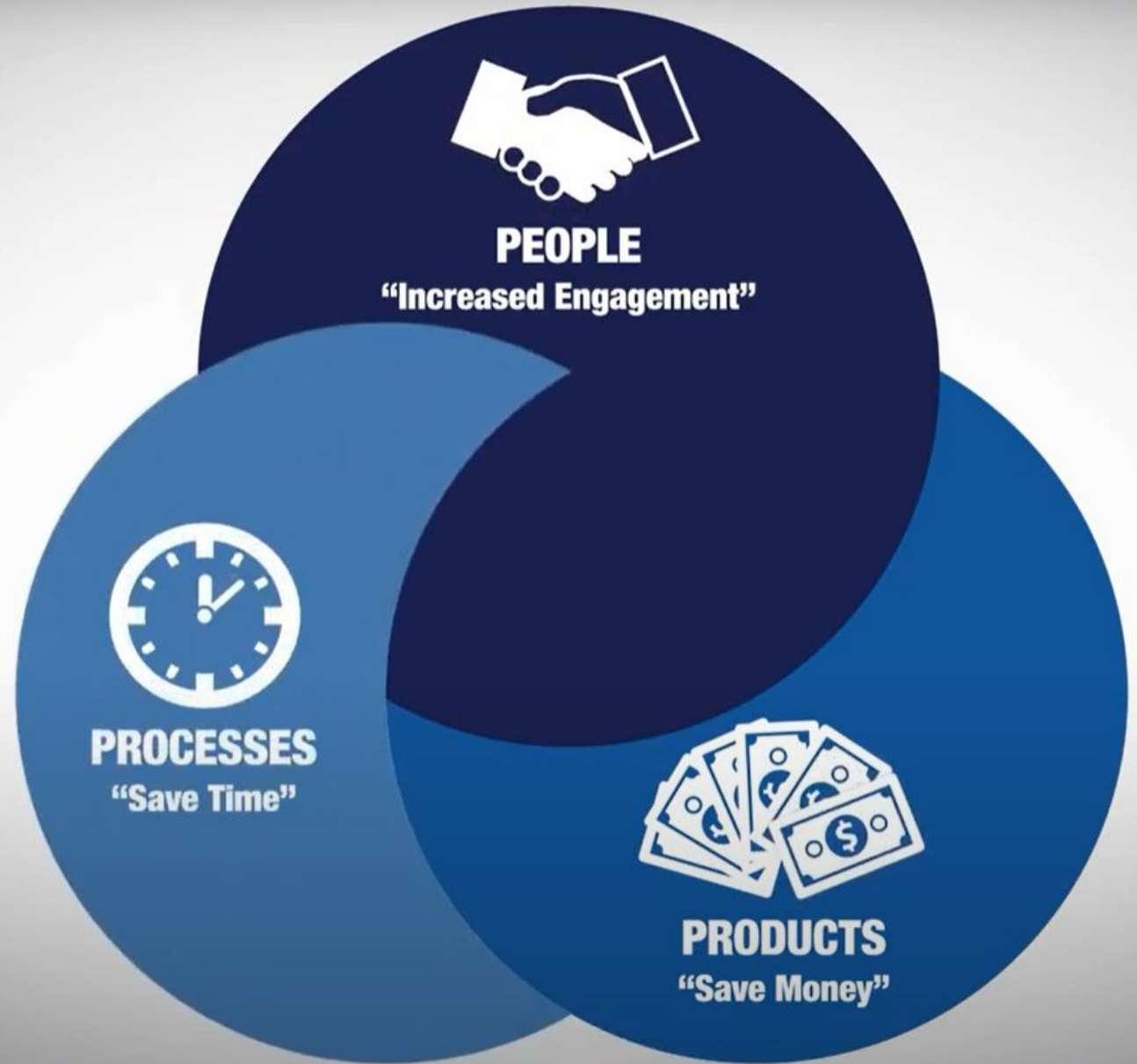
EDC-5 Going Strong...

https://www.fhwa.dot.gov/innovation/everydaycounts/edc_5/



Mobility · Safety · Quality · Environment · Shortening Project Delivery

EDC-6 Launch





Targeted Overlay Pavement Solutions (TOPS)



Background

- America needs \$836 Billion to fix highways and bridges
- About 32% of urban roads & 14% of rural roads are in poor condition
- Crumbling roads cost Americans about \$160B in wasted fuel in 2014

Source: USDOT 2015 Conditions and Performance Report to Congress



Image source: Fotosearch.com

Overlays are widely used but not targeted...

- ½ Infrastructure \$'s go to Pavements
- More than half of that is Overlays



Image source: Georgia DOT

TOPS EDC Mission



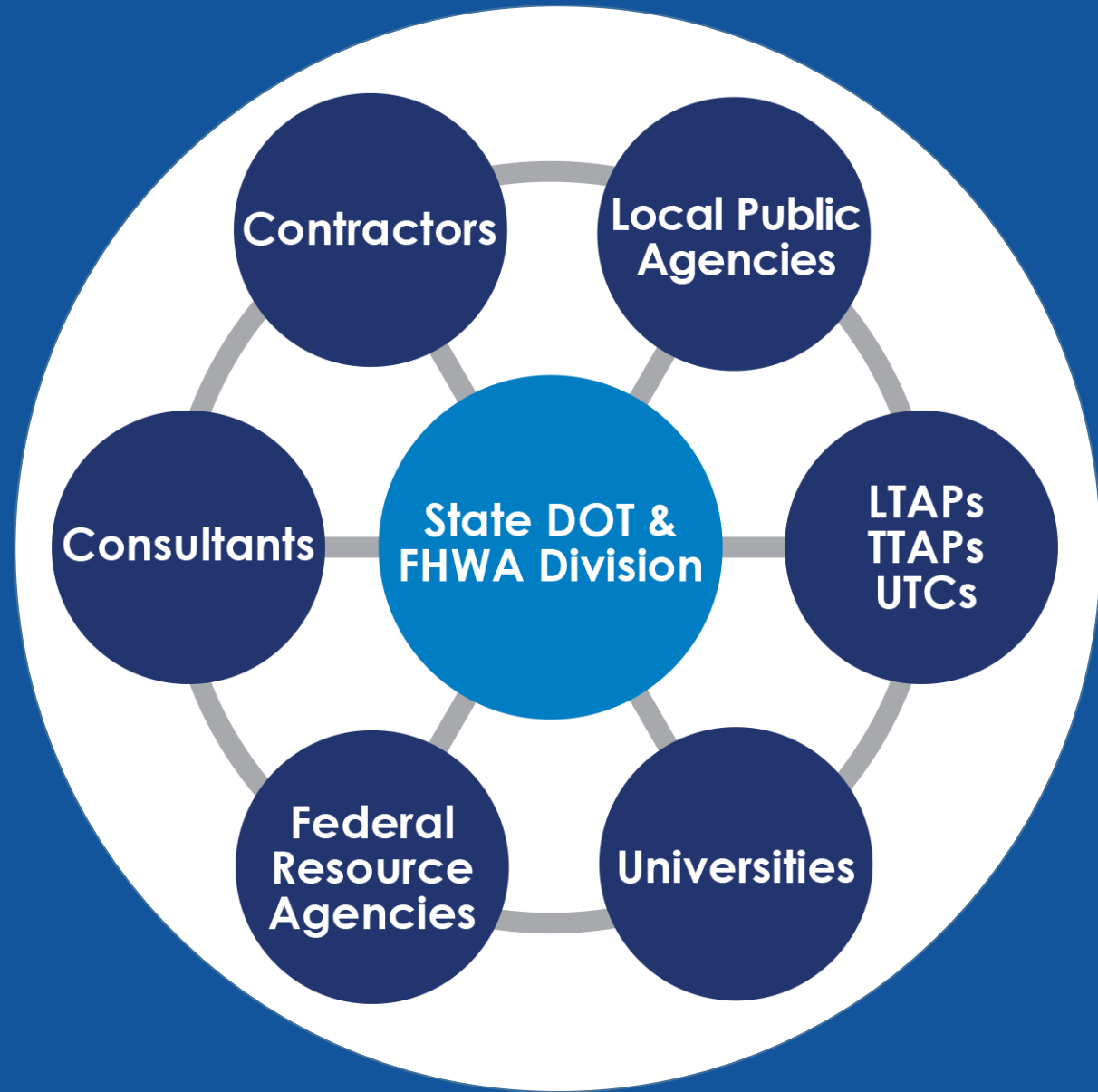
Image source: iStock

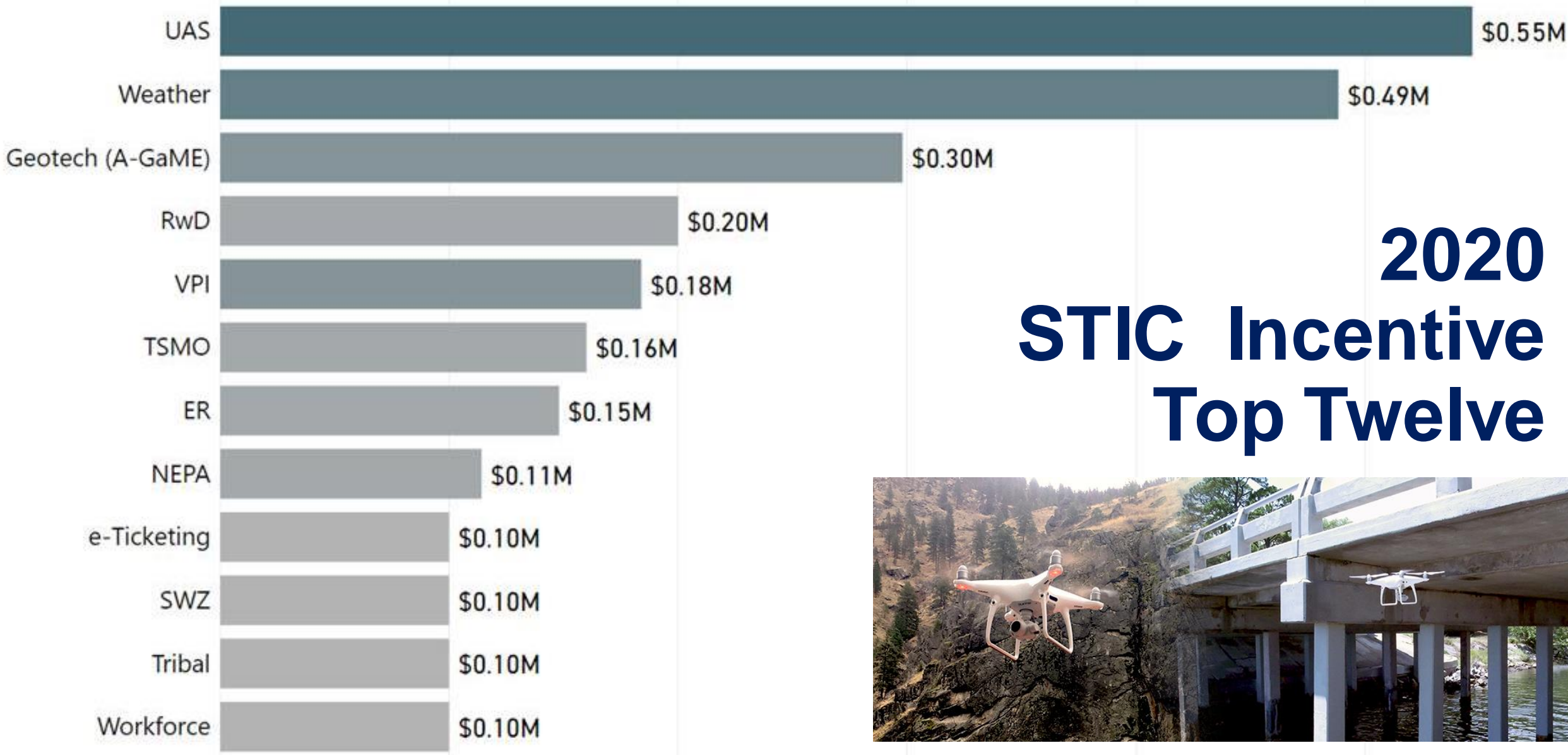
Extend life, increase load-carrying capacity, and improve safety, mobility, and user satisfaction in a cost-effective and sustainable manner by delivering targeted pavement overlay solutions...



92 Demonstration Projects Awarded
61 Projects Highlight an EDC Innovation
66 Million Dollars Invested in fostering a *Culture of Innovation*

State Transportation Innovation Council Network





2020 STIC Incentive Top Twelve



Accelerating Market Readiness

... to spur the advancement of emerging transformative innovations



Stay Connected

Sign up for EDC News and Innovator below 



<https://www.fhwa.dot.gov/innovation/everydaycounts/>

Have an Idea, Thought, Comment???



Innovation@dot.gov



Jeffrey.Zaharewicz@dot.gov

Thank you



U.S. Department of Transportation
Federal Highway Administration

