



U.S. Department
of Transportation
**Federal Highway
Administration**

Center for
Accelerating
Innovation

State Transportation Innovation Councils: Leading the Way in an *Era of Rapid Change*

Thomas Harman, Director



AID Demo
Accelerated Innovation Deployment



EDC News
Weekly Newsletter

INNOVATOR
Bi-monthly Newsletter



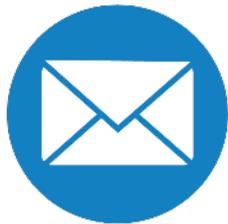
Resist **CHANGE**
and DIE.

Accept **CHANGE**
and Survive...

Lead **CHANGE**
and Thrive!

Have an idea, thought, comment???

We need to hear it!!!!



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FHWA Office of Innovative Program Delivery

OIPD Mission

Improve transportation performance by *driving innovation into action* through **partnerships**, **technology development**, and **capacity building**

Foster a *Culture of Innovation*



<https://www.fhwa.dot.gov/innovativeprograms/>



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OFFICE OF INNOVATIVE PROGRAM DELIVERY



OIPD Centers

Tony Furst
Chief Innovation
Officer



Robert Ritter
Managing Director

Center for Accelerating
Innovation
(CAI)

Center for Innovative
Finance Support
(CIF\$)

Center for
Transportation
Workforce
Development
(CTWD)

Center for Local
Aid Support
(CLAS)



CENTER FOR
**TRANSPORTATION
WORKFORCE DEVELOPMENT**

ship, coordination, and assistance to develop & expand the nation's transportation workforce.

*Virginia Tsu,
Director*

assistance to develop & expand the nation's transportation workforce.

- K-12 education
- Post-secondary education
- Professional/practitioner development

Seeks to leverage established Department of Labor networks & FHWA's regional workforce centers to develop opportunities for transportation workforce development external to FHWA.

Training and Education Programs
On-the-job Training/Supportive Services
Regional Workforce Centers
Highway Construction Industry Workforce
Development Initiative



- ✓ Garrett A. Morgan Transportation Technology Education
- ✓ Eisenhower Fellowship Program
- ✓ STIPDG
- ✓ National Summer Transportation Institutes



CENTER FOR
**LOCAL AID
SUPPORT**

*Victoria Peters,
Director*

Enable locals and tribes to improve their roads and bridges by:

- ❖ Variety of training programs
- ❖ Information clearinghouse
- ❖ New and existing technology updates
- ❖ Personalized technical assistance
- ❖ Communication and information exchange

Administers **Local and Tribal Technical Assistance Program (LTAP/TTAP)**

Network of 58 LTAP Centers
7 TTAP Centers



*Mark Sullivan,
Director*

Advances innovation in the federal-aid related elements of [innovative finance strategies](#)

Serves as FHWA's liaison with the [Build America Bureau](#), working in concert with the Bureau to identify and coordinate FHWA technical assistance for transportation projects receiving Bureau support

Provides resources and technical assistance in the
[Tolling](#),
[GARVEE bonds](#), and
[State Infrastructure Banks](#) (SIBs)



CENTER FOR
**ACCELERATING
INNOVATION**

*Tom Harman,
Director*

Shares the success of innovation at the national and local levels

Facilitates the rapid deployment of innovation into the transportation community based on the Every Day Counts initiative.



Fosters & supports the [State Transportation Innovation Councils'](#) national network



Supports innovation thru the [Accelerated Innovation Deployment](#) grant program



Transforming Transportation Through Innovation



Why?

I need your help...



- Fostering a *Culture of Innovation*



- Strengthening our National *STIC* Network



- Cultivating the **EDC** Innovation Pipeline



10 Keys of Deploying Innovation

1

User is Right

- Listen, Learn, and Understand their Needs

2

Over Communicate the *Why*

- Why is it essential to deploy/adopt the Innovation?

3

Resistance to Change, Expect it... Change is Disruptive!

- Change for change sake will fail and undermine TRUST. Change is disruptive. Innovation must be seen as producing a “significant improvement.”

4

Foster Champions / Engage Peer-to-Peer

- Communication between peers is essential (TRUST factor).

5

Strive for Simplicity

- Keep your message clear; too much information calls for screening out information.



10 Keys of Deploying Innovation

6

Network

- Establish, build, and leverage your Network.

7

Reinforce the How (*Remembering Principle*)

- Develop resources that address individual learning needs.

8

Tell a compelling Story (Measure Success)

- Quantifying success

9

MANAGE CHANGE

10

Celebrate and Learn from Mistakes

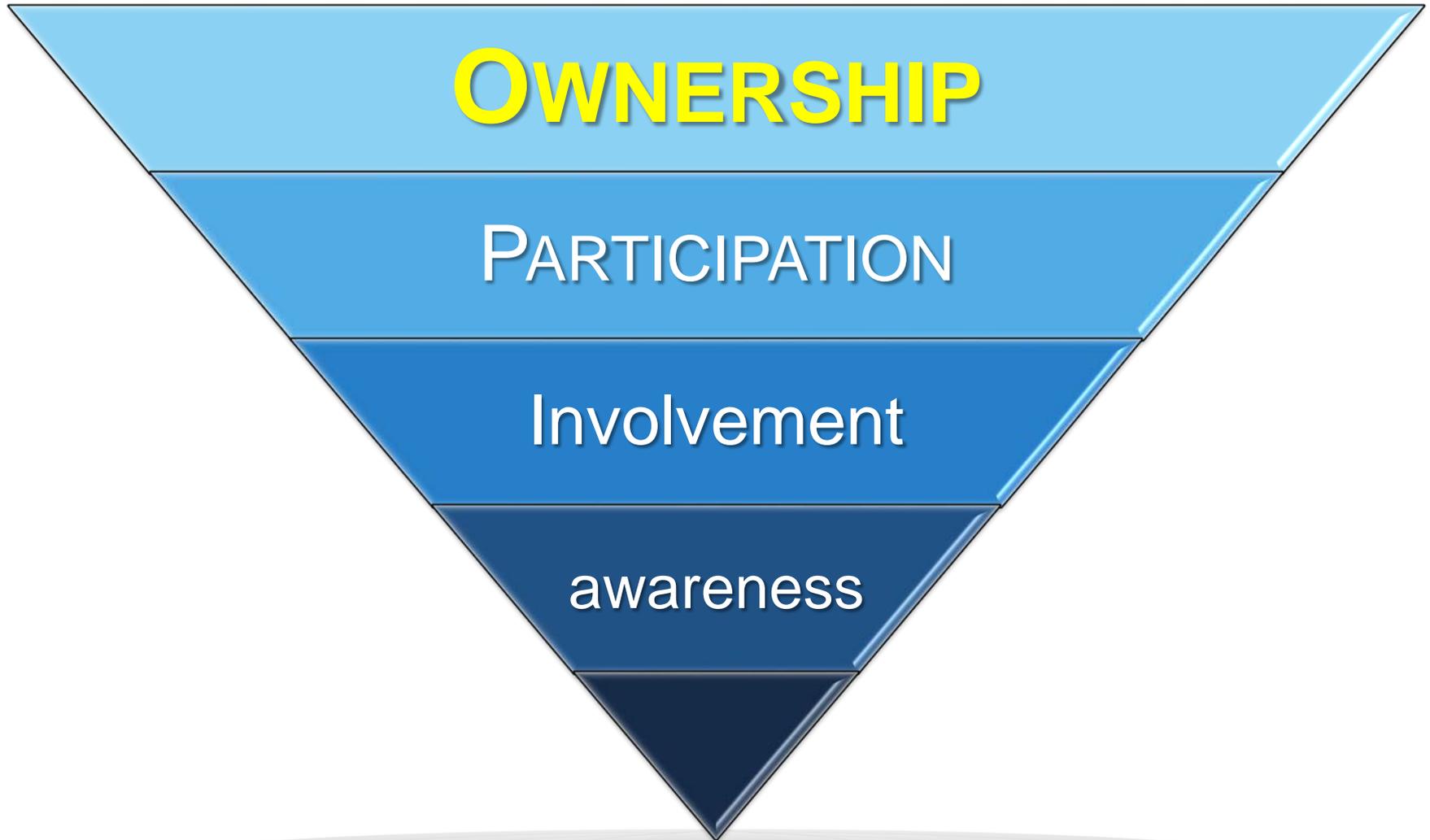
- Risk only happens with leadership support (and cover)

People retain:
10% what is read
20% what is heard
30% what is seen
40% what is seen
& heard.





Evolution of a Network





U.S. Department
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**Federal Highway
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Center for Accelerating Innovation



*National STIC Network is about establishing a group of representatives from various levels of the highway community in each State **to comprehensively and strategically consider all sources of innovation.***



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GOAL: **STIC**

State Transportation Innovation Councils

Nurture a *culture of innovation* through leadership within the highway community

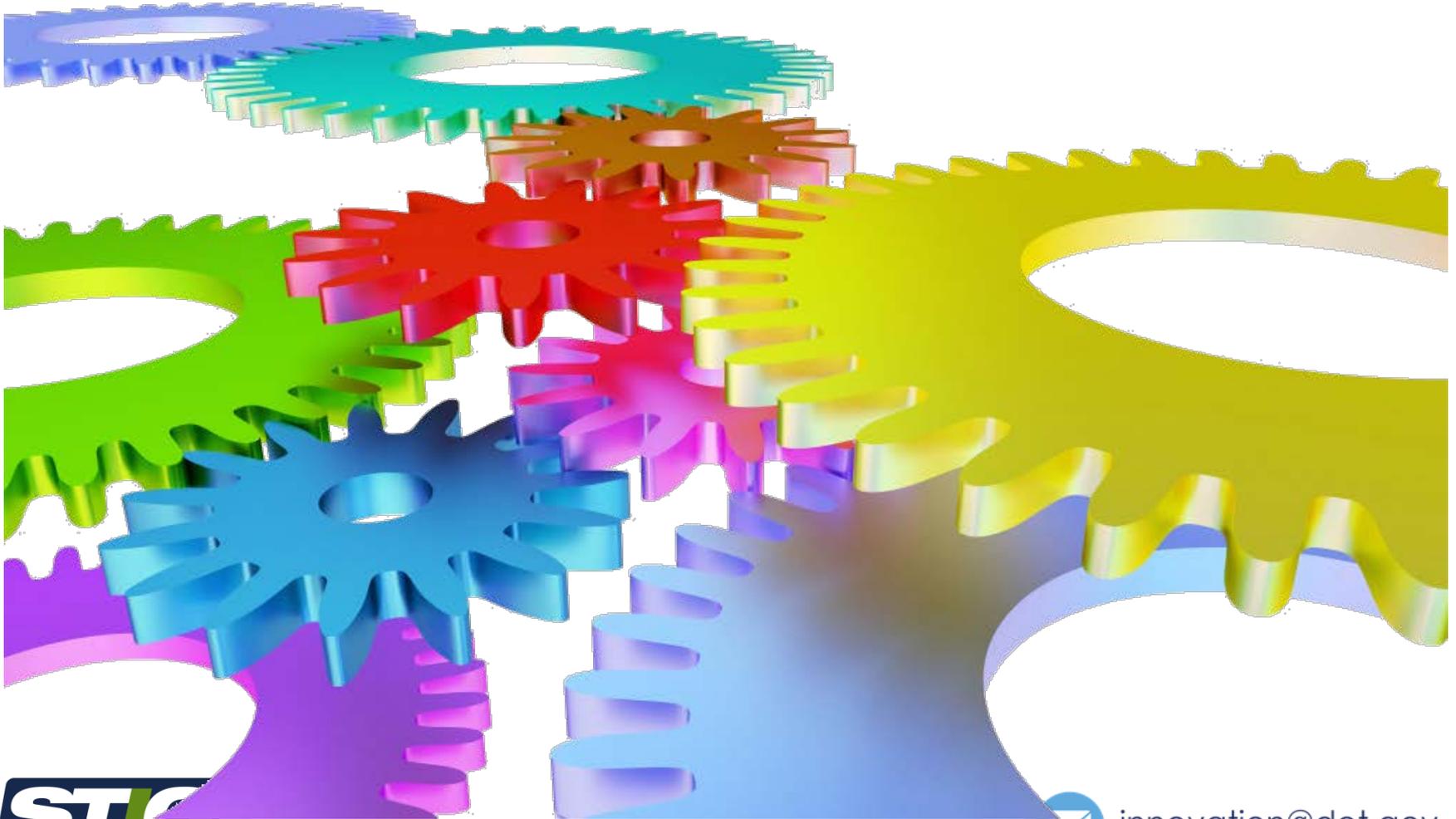
Ingredients for success:

- ✓ Well organized **STIC**
- ✓ Broad stakeholder engagement
- ✓ Defined processes & procedures
- ✓ Performance monitoring
- ✓ Engaged leadership



"Culture of Innovation"

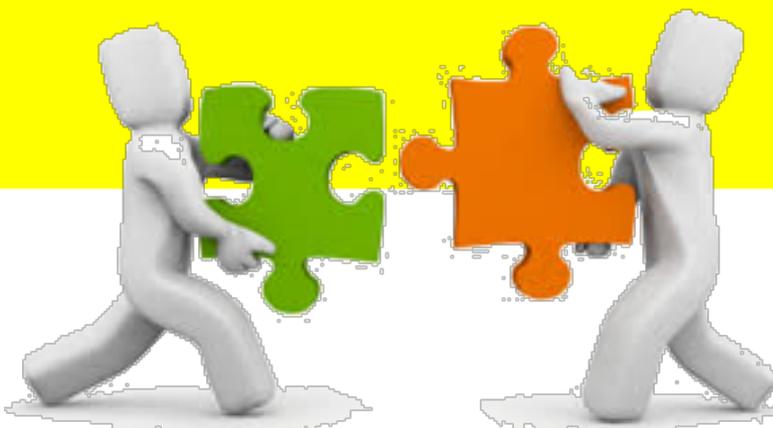
-- what does that mean to you?



STIC Incentive Program

Program Coordinator: Sara Lowry



Complete!	STIC Incentive Projects	FY
Alabama	<p>Up to \$100k/ea./FY</p> 	
to		
Wyoming		
D.C.		
Puerto Rico		
Virgin Islands		
Federal Lands (FTIC)		



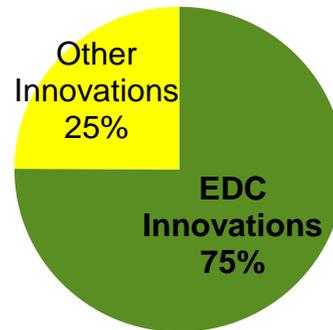
STIC Trivia:



The majority of **STIC** Incentive projects focus on EDC innovations



STIC Incentive Funding Distribution



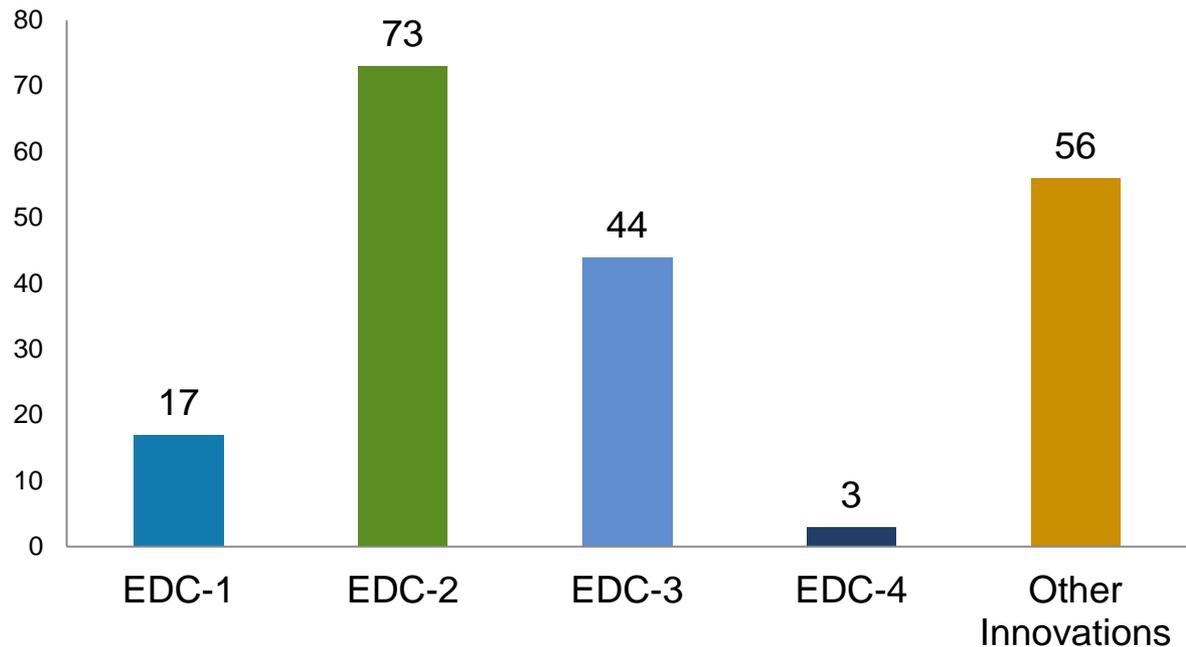
71% of Projects
75% of Funding

STIC Trivia:

Innovations from which round of EDC have been explored the most through **STIC** Incentive projects?

- A. EDC-1
- B. EDC-2
- C. EDC-3
- D. EDC-4
- E. Other I

STIC Incentive Project Distribution



STIC Trivia:



States can carry over unused **STIC** Incentive funds each year for future projects.



STIC Trivia:



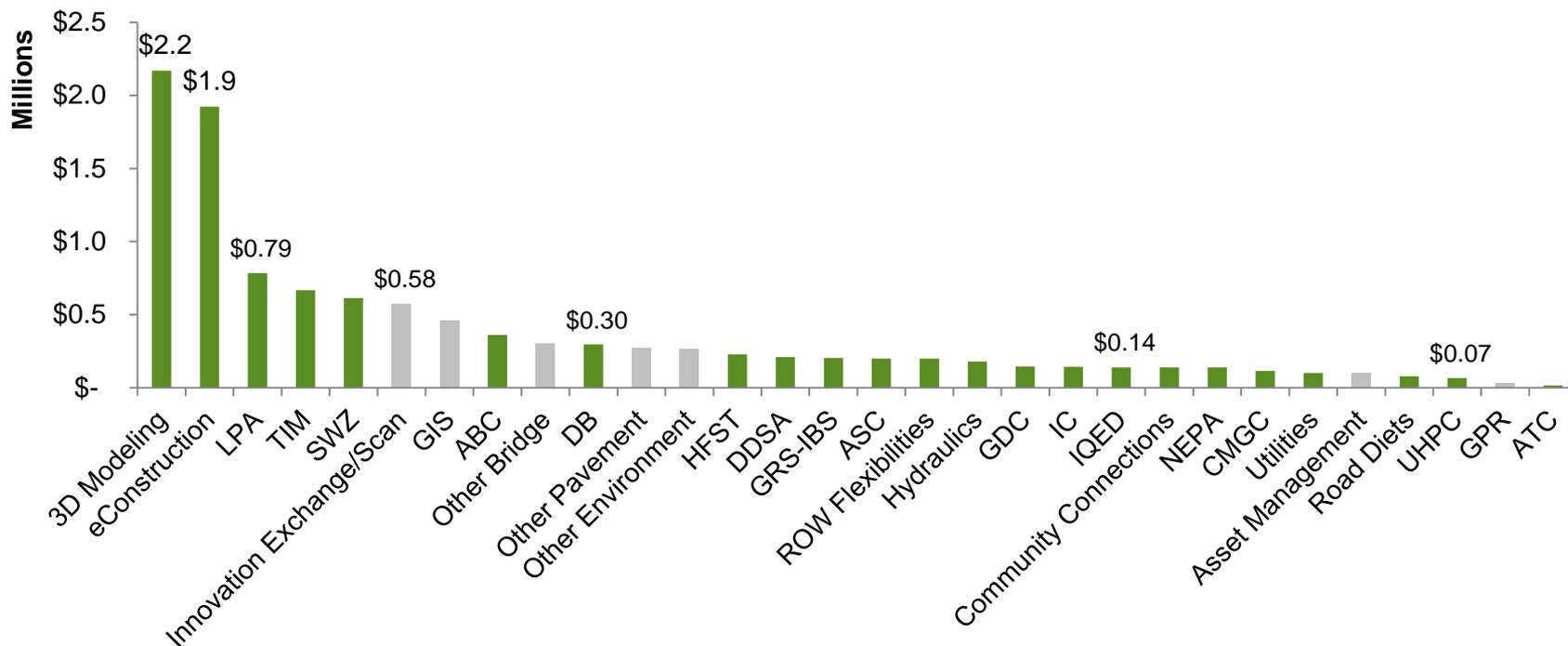
The number one non-EDC **STIC** Incentive activity is Innovation Exchanges / SCANs.



STIC Trivia:

STIC Incentive funding has been leveraged the most for...?

Amount of STIC Incentives Funds by Innovation



TRB Workshop Themes / Discussion Topics



1. Origin of Innovations

- Formal process to evaluate & select innovations for advancement
- *beyond EDC*



2. Outreach & Communication

- Established plan to build partnerships and share successes
- *forum for partnership*



3. Tell a Compelling Story

- Established metrics to measure and quantify success
- *Innovations provide a benefit toward...*



4. Change Management

- Focused effort to create a culture of innovation
- *successful tools and techniques as well as barriers*

Homework

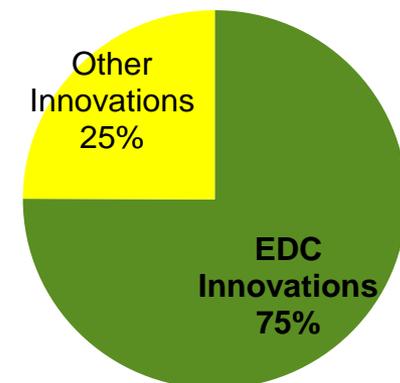


1. Origin of Innovations

- Formal process to evaluate & select innovations for advancement
- *beyond EDC*

How do we capture other cool **STIC** innovations to help feed the EDC Pipeline and share between **STICs**?

STIC Incentive Funding Distribution



Opportunities



National N-e-t-w-o-r-k



Educational Connection



Proprietary Products

AASHTO Standing Committee on Highways



FHWA
Center for
Accelerating
Innovation

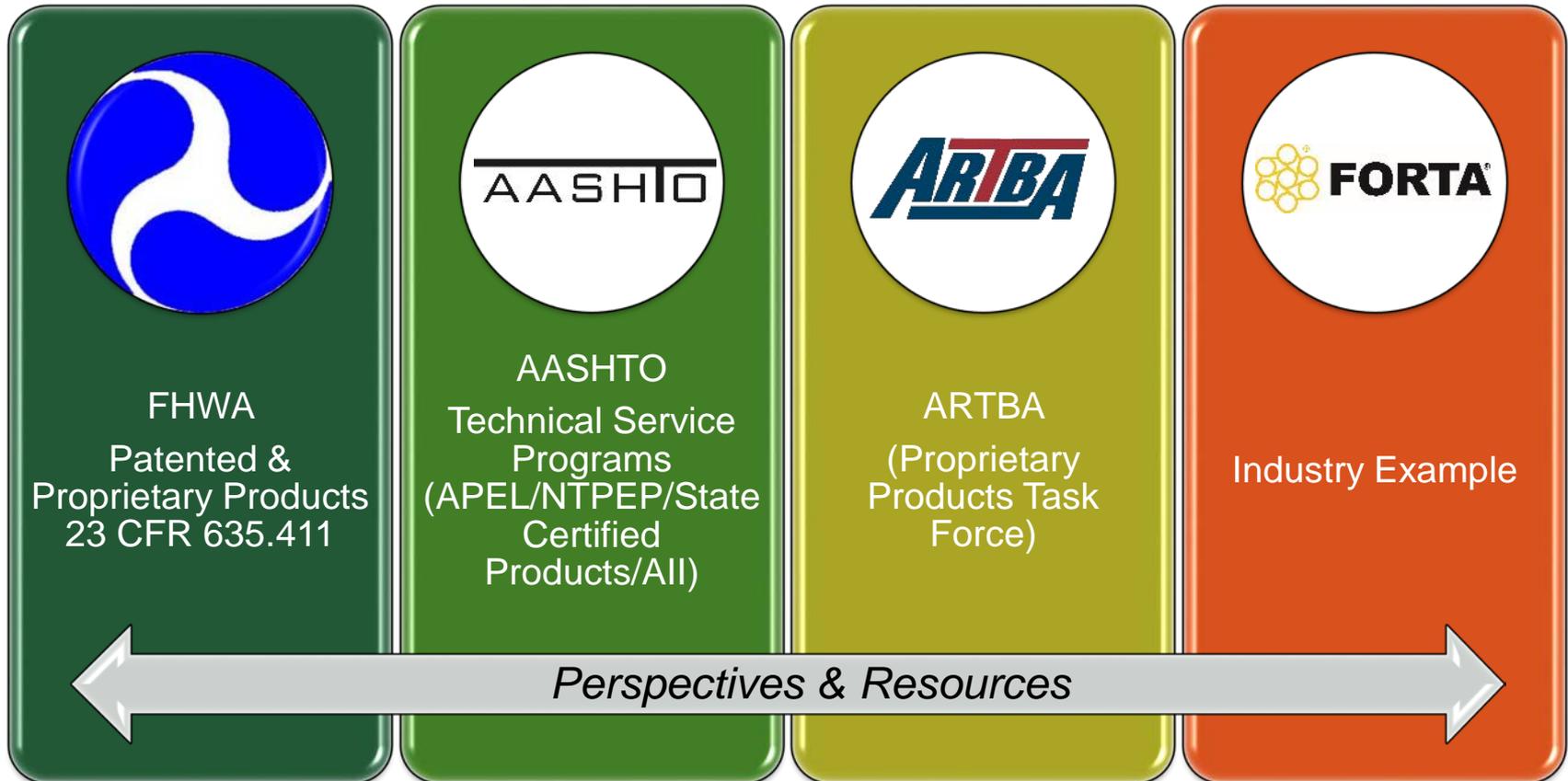


[AID] Demo



Context & Challenge on PnPP

A National Conversation



PnPP Activities... Next Steps

- ✓ Awareness: National Conversation hosted during EDC-4 Regional Summits (1,300+ attendees)
- ✓ AASHTO: Member Survey & Enhancements to Technical Service Program websites
- ✓ Findings:
 - Existing Regulation and Guidance does not limit the use of PnPP, however there is a need for greater education & awareness

- ❖ FHWA-AASHTO-ARTBA will continue to engage
- ❖ Development of online training tools & resources
- ❖ Potential for Regional Summit

Have an idea, thought, comment???

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Questions... Let's get started!



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