

# ***INDOT AND LTAP INNOVATION AND COLLABORATION***

Purdue Road School

March 15, 2023

# ***TODAY'S DISCUSSION***

## **INNOVATION**

- Definition
- State Innovation Program
- Local Innovation Program

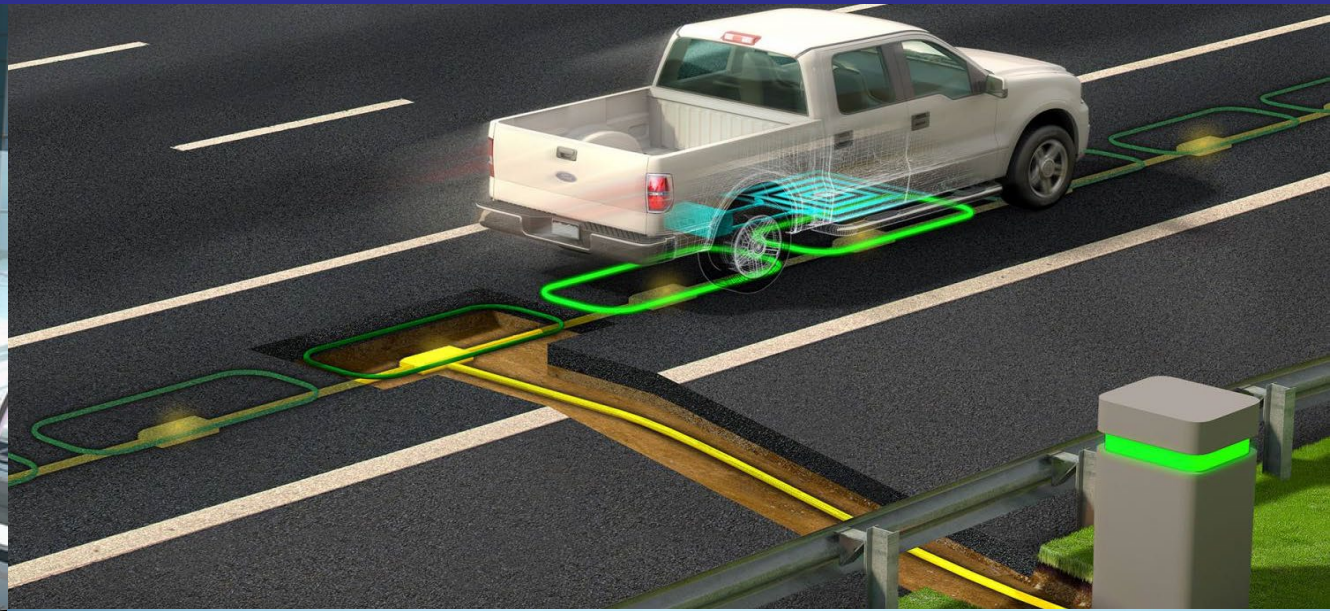
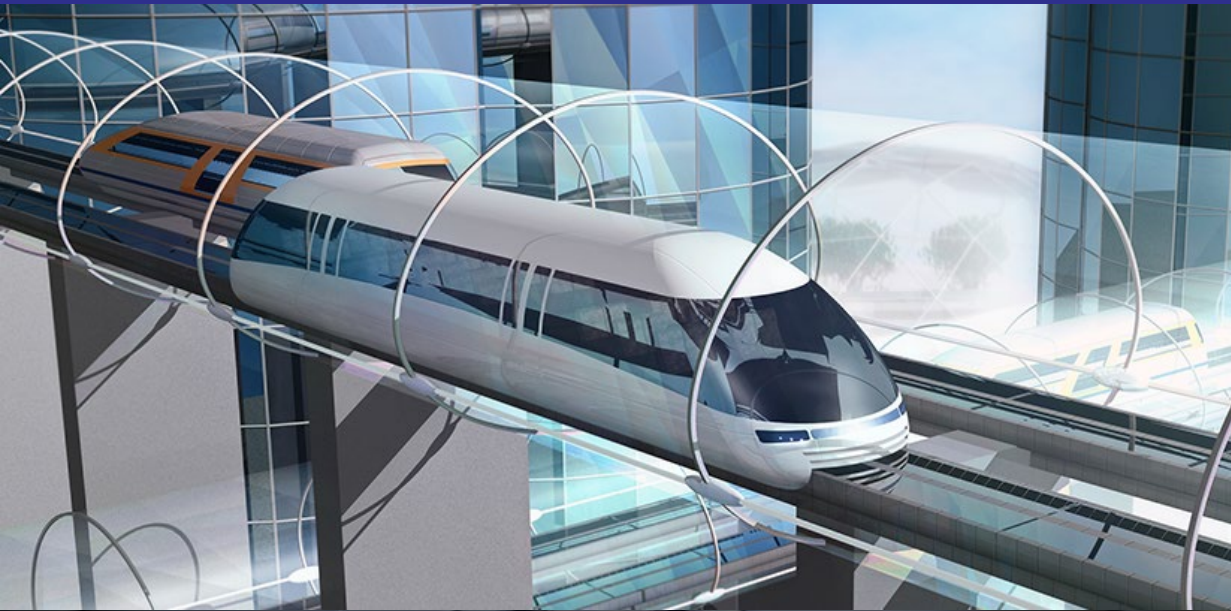
## **COLLABORATION**

- Nationwide & Statewide Collaboration Programs
- Indiana Transportation Innovators
- People's Choice Award





# *What we think is innovation...*





# What innovation really is...



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Photo credit: Arapahoe County, CO



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Photo credit: Niles, NY



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# **HOMEGROWN IDEAS**

*Those closest to the problem  
often have the best solution*

- Laborers
- Equipment Operators
- Truck Drivers
- Mechanics
- Foremen
- Supervisors
- Office Staff
- Elected Officials



# ***INDOT Innovation Champions***



# Innovation Department Mission Statement

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*We gather information and input from ALL levels of INDOT, focusing on solutions while fostering an environment of idea-sharing, testing and implementation. We will recognize and celebrate the contributions that move INDOT to the NextLevel.*



# INNOVATION PROCESS

- Nike Projects
- Game Changers
- Simple

565 Total

## 1 COLLECT IDEAS

Encourage state employees to submit ideas through the portal or in paper form

## 2 RESEARCH

Idea coordinators take ideas and collect information to present to the council

## 3 DISTRICT VOTE

The individual district councils meet to select the most implementable or impactful ideas according to our criteria

## 4 STATE VOTE

The Council Leaders take the top ideas selected to the statewide Innovation meeting to select ideas for statewide implementation

## 5 REWARD

The winning idea submitters will receive special recognition for their contribution

## 6 IMPLEMENT STATEWIDE

Ideas involving items will be purchased or built, and processes will be created or improved



# Idea Portal



## Employee Resources, Internal News

Our INDOT [Agency Links](#) [PeopleSoft](#) [Contact Us](#)

### Trending at INDOT

#### Pulse Survey is Open



Speak Up.  
We're Listening.

#### February Newsletter



#### February New Hires



WELCOME ABOARD

#### 2023 Agency Goals



members service innovation team  
build plan resiliency quality access  
op process sustainability excellen  
transportation communication

#### Priority Points



March 7, 2023

Step right up and help INDOT be a sponsor at the Indiana State Fair. Your ideas are needed!

[Read more](#)

### Popular Applications

- [ITAP](#)
- [SPMS](#)
- [WMS](#)
- [Chronolog](#)
- [CAPWise](#)
- [Collaborative GIS](#)
- [LRS](#)
- [EPS](#)
- [PayWise](#)
- [SharePoint Directory](#)

### Agency Information

- [Executive Priority Points](#) **New**

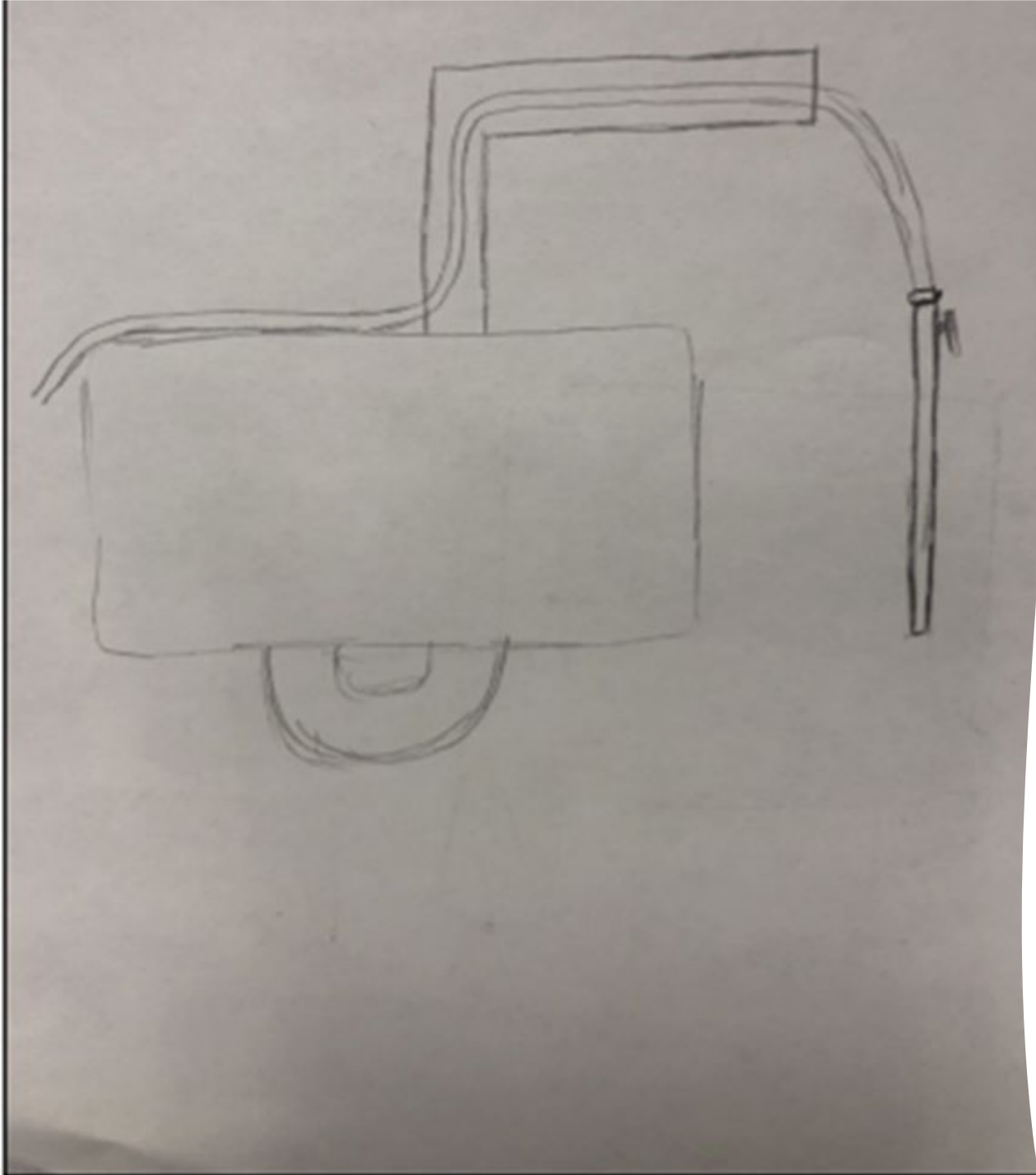
### Employee Resources

- [Time & Labor](#)
- [Whistleblower Form](#)
- [Central Office Ordering Portal](#)
- [Central Office Facilities Request](#)
- [District Facilities Service Request](#)
- [State Holidays](#)
- [SPD Website](#)
- [SuccessFactors](#)
- [New Faces & New Places](#)
- [INDOT Jobs Feed](#)
- [Innovation at INDOT](#)
- [Information for Central Office Visitor](#)



- [PVMP](#) (Pool Vehicle Management Program)





Solutions don't need to  
be complicated



# LTAP Innovation Masterminds





Indiana LTAP  
Website



Innovation  
Tab



Masterminds  
Challenge



Local Technical Assistance Program

## Indiana Local Innovation Project Application

Every day, you find a better way to do your job as a local street or highway department. Whether it's a new gadget that improves the quality and safety of a project, or an innovative process that reduces costs and improves efficiency, it is typically those on the front lines who discover the latest and best practices.

We are looking for submissions from employees of local public agencies (cities, towns, and counties) that have created different solutions to problems or found better ways of doing things. Submissions must reflect implemented products, procedures, or processes. We will gather the best entries from around the state and judge them using a 5-point rating system (cost, benefits to the community, ingenuity, ease of transferability, and effectiveness.)

Are you an Innovation Mastermind? Fill out the entry form below to submit your innovation!

Organization: \_\_\_\_\_ Contact Person: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Entry Title: \_\_\_\_\_

Please check the category that this entry is being nominated for (if unsure, leave blank and LTAP Staff will assist):

1.  **Innovative Project**  
Any solution that addresses any or all phase(s) of the 'project' life cycle – Planning, Design/Engineering, Construction, Operations and Maintenance. This project shall introduce new ideas, is locally relevant, original, and creative in thinking.
2.  **Bold Steps**  
Any locally relevant high-risk project or process showing a break-through solution with demonstrated high-reward.
3.  **Smart Transformation**  
A locally relevant significant change in any transportation activity or process that is SMART "Specific, Measurable, Achievable, Realistic and Time-bound" in nature that results in improved efficiencies.
4.  **Pioneer**  
A locally relevant product/tool that is among the first to solve a maintenance problem with a home-grown solution.

Problem Statement	
Discussion of Solution	
Labor, Equipment, Materials Used	
Savings/Benefits to the Community	
Cost	

*Please include a photo of your project with submission. Please add additional pages if needed.*

# COLLABORATION

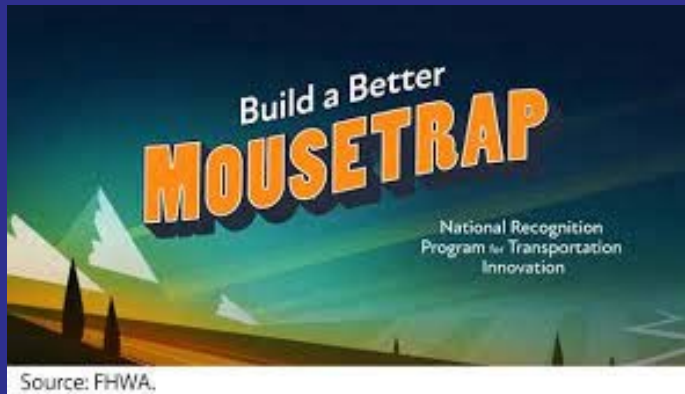
## NATIONWIDE

- No Boundaries
- AASHTO Innovation Initiative (AII)
- FHWA Build at Better Mousetrap



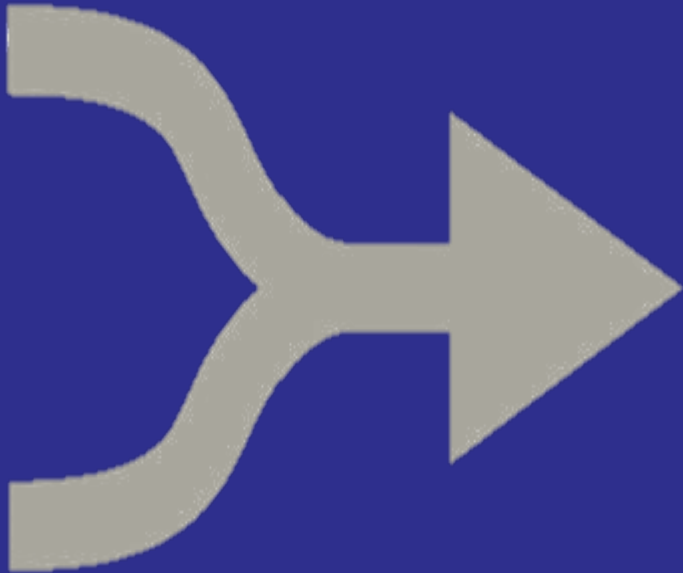
## STATEWIDE

- STIC
- INDOT Innovation Champions
- LTAP Innovation Masterminds





# BETTER TOGETHER...



# ***BETTER TOGETHER...***





# People's Choice Award



*INDOT  
Innovation  
Champions*



*People's Choice Award*



*LTAP  
Innovation  
Masterminds*

# 2023 People's Choice Award Nominees – INDOT Innovation Champions

*Vincennes, CO, Geotech*



**Wireless Blow Count Device**

*Greenfield*



**Push Paver**

*Fort Wayne*



**Cable Barrier Rail Spreader**

*Fort Wayne*



**Post Puller**

*Fort Wayne*



**Central Office**



**Road Flares**

*Seymour*



**Cable Barrier Tensioning Winch**

*Crawfordsville*



**Tailgate Prop**

*Crawfordsville, LaPorte, Greenfield*



**Guardrail Cleaning Tool**

*Vincennes*



**Air Hose Support Arm**

*Greenfield*

## Greenfield Proposed Call for Projects

Asset ID: 036820  
Asset Type: Bridge Work Type:  
Carried: I-65, Intersected: WHITE RIV, CANAL, PKWYS, Supplemental: 05.94 S I-465  
Sub District: INDIANAPOLIS  
Bundle #: >

Asset ID: 043650  
Asset Type: Bridge Work Type:  
Carried: RESERVOIR ROAD, Intersected: I-70, Supplemental: 00.62 W SR 121  
Sub District: CAMBRIDGE CITY  
Bundle #: >

Asset ID: 044620  
Asset Type: Bridge Work Type:  
Carried: THOMPSON ROAD, Intersected: I-74, Supplemental: 04.01 E I-465  
Sub District: INDIANAPOLIS  
Bundle #: >

**Virtual Van Trip App**



# 2023 People's Choice Award Nominees – LTAP Innovation Masterminds

*City of Fishers*



**Partial Depth  
Concrete Joint Repair**

*White County*



**Fuel Depot Usage  
Monitoring System**

*White County*



**Truck Hand Control Center**

*White County*



**Road Salt & Sand Mixing**

*Dubois County*



**Mobile Elevated Wash Platform**

*City of Carmel*



**Roundabout Intersections**

*Hamilton County*



**Underbody Truck Wash**

*White County*



**Snow Plow & Salt Spreader Storage**



# *2023 Purdue Road School – People’s Choice Award...*



## *Hamilton County*



**Underbody Truck Wash**



# ***THANK YOU***

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