



Innovation Programs:
Inquiry of No Boundaries Member States

DW Clonch, LLC



No Boundaries Roadway Maintenance Practices Pooled Fund, <http://maintainroads.org/>
TPF-5(330), <https://www.pooledfund.org/Details/Study/579>

**Innovation Programs:
Inquiry of No Boundaries Member States**

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DW Clonch LLC

December 11, 2018

Final report
available at
maintainroads.org

Connecticut
Ohio

Michigan
Minnesota

Overview

TRB Presentation to showcase innovation
TAC Member input
Footprint for presentation development
Resource for moving forward

Missouri
Wisconsin

Washington

Overview

- Basic Program Features
- Program History
- Program Development
- Administrative Costs
- Success Stories
- Publication
- Lessons Learned
- ROI
- Employee Motivation
- Recruitment/Retention
- Goals and Objectives
- Project Selection Criteria



Connecticut
Ohio

Michigan
Minnesota

Basic Features

Competitive Process
Internal submissions, reviews, evaluations
Employee recognition
Potential awards
Managed in-house

Missouri
Wisconsin

Washington

Historically



30 YEARS (1988) TO
RECENT



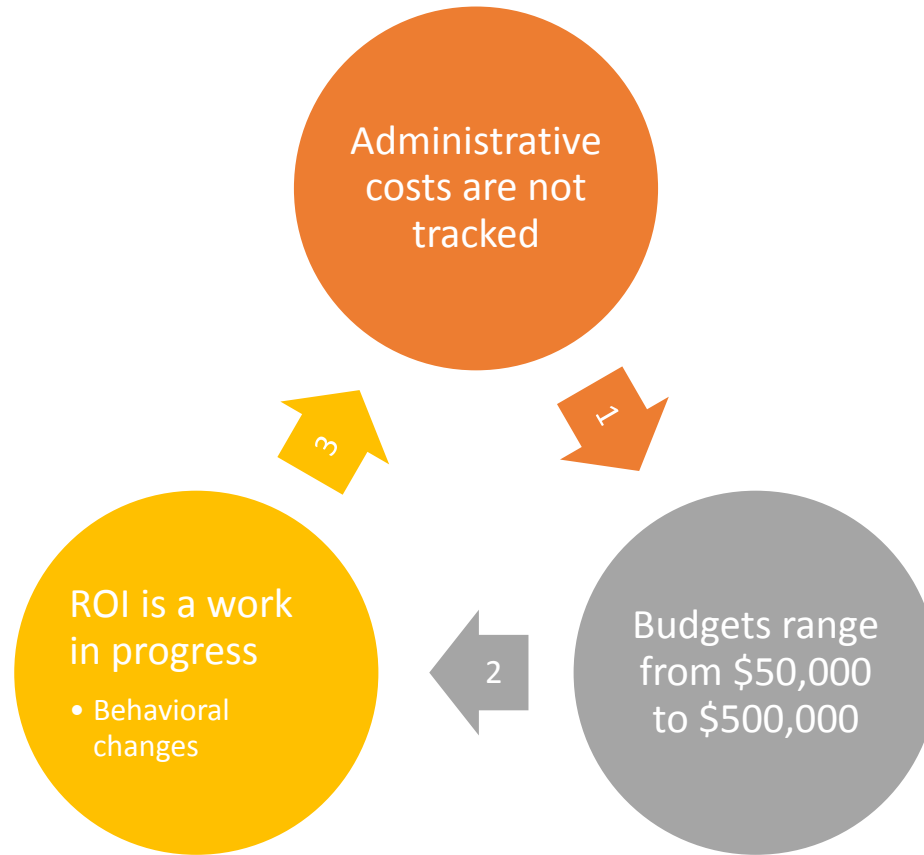
RECOGNITION AS A
MOTIVATOR



PARTNERING/COLLABORATION



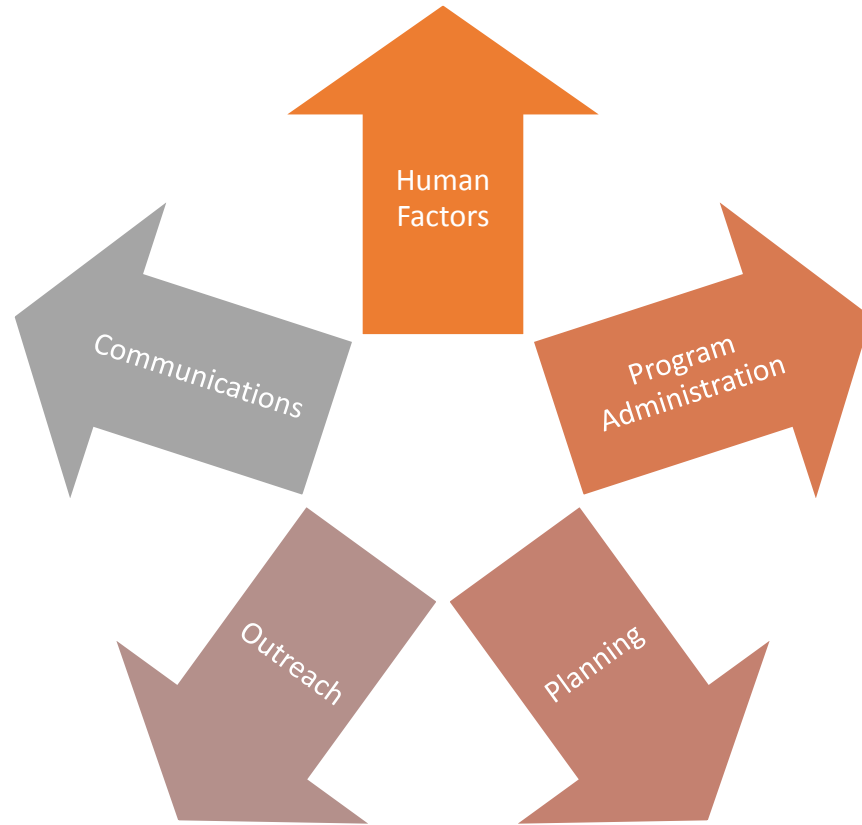
PROMOTES POSITIVE
CULTURAL CHANGES



Project Costs and ROI

Success Stories and Publication





Lessons Learned

Impacts and Goals



Encourages and supports innovation



Professional development



Positive environment

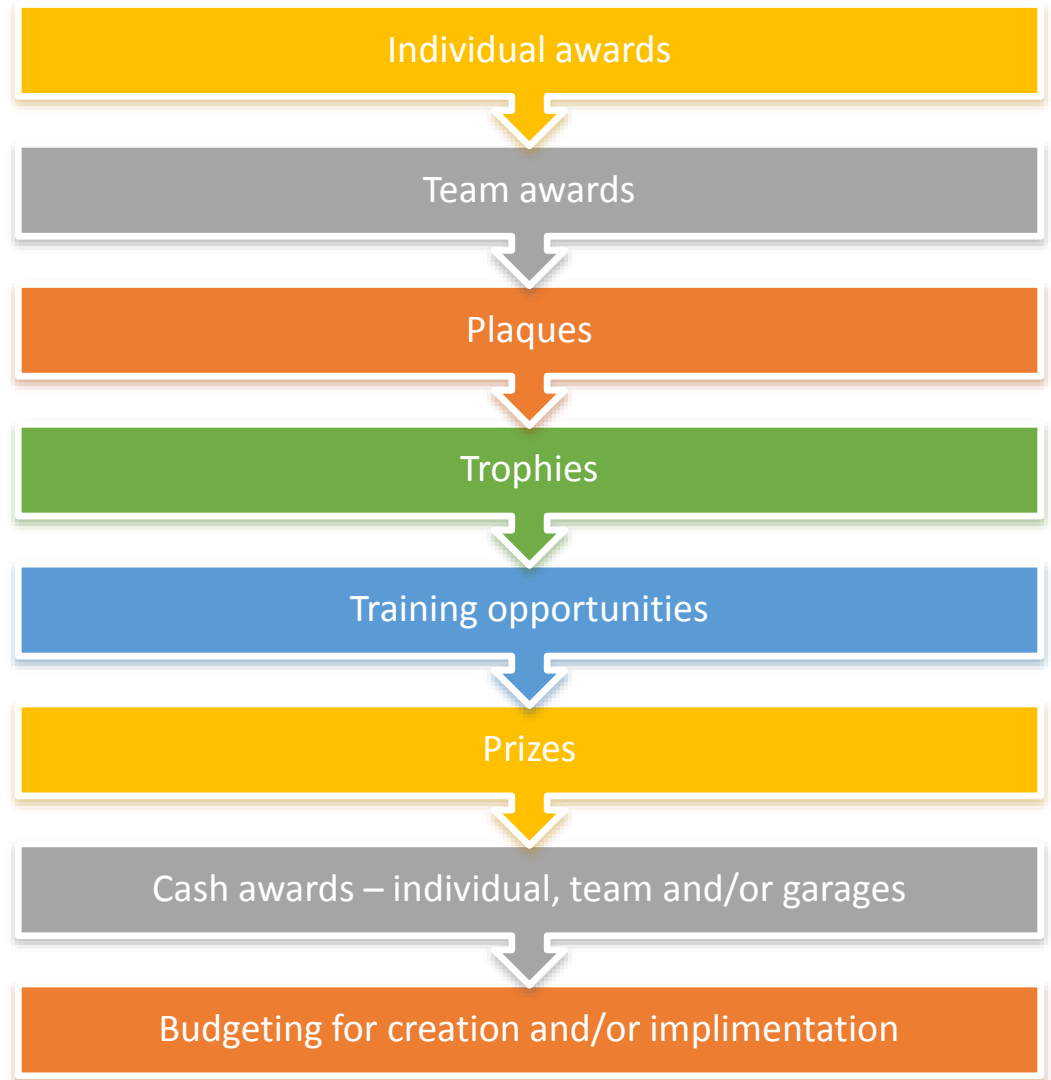


Promoting and supporting goals

Development and implementation of efficiency

Safe, reliable, innovative, efficient transportation system

Awards and Recognition





Recognition as a Motivator

SharePoint

TS

The Innovation Process

This page lists all of the ideas that have been submitted to date. They are listed with the most recent ideas at the top. Each column can be filtered to show desired information.



Have a great idea?



[Submit it here!](#)



1 - 40

Created
7/17/2018 4:07 PM
6/20/2018 2:37 PM

Innovation Idea Submittal Form

Monday Memo E-NEWS

E-News and Updates for MDOT Employees

Jan. 17, 2017

Spotlight on Innovation, Southwest Region: The Clumpinator



The Clumpinator tilts to eject objects caught in screen.

Innovative Ideas



Name: _____ Phone Number: _____
Date Submitted: _____ E-mail Address: _____
Idea Title: _____
Idea Description: _____

Work Area: _____

Work Function: _____

Benefit Category: _____
Estimated Annualized Savings for the State: _____
Estimated Annualized Savings to Others: _____

Missouri

Innovations Challenge

Program Overview

The Innovations Challenge is designed to identify and share the best innovations for all areas of the department.

- This challenge is open to all full-time employees.
- All innovations must be in use within the department and showing desired results.
- District and Central Office competitions run from August through December.
- Innovations will be grouped into these three categories:
 - **Tools and equipment** – This will include items fabricated or modified by MoDOT employees.
 - **Projects** – This will include efforts resulting in exceptional results for transportation users or internal operations.
 - **Productivity** – This will include office and field processes, materials and products.
- Innovations will be evaluated on the following:
 - **Originality** – How new is it to MoDOT?
 - **Transferability** – How likely is it to be used by other areas?
 - **Conservation of Resources** – How much time or money does it save?
 - **Organizational Impact** – How will it impact performance especially our Tangible Results?
- Each district and the Central Office can select as many as 18 submissions as first-round winners.
- First-round winners will receive \$75 per person or a maximum of \$450 per team.
- District and Central Office coordinators will choose as many as 60 innovations to compete at the Innovations Challenge Showcase. The showcase will be held the first morning of the spring statewide maintenance and program delivery meeting.
- District and Central Office judges will select up to four innovation showcase winners per category at the showcase.
- Showcase winners will earn \$425 per individual or maximum of \$1,550 per team plus from \$1,000 to \$10,000 for the district or division budget.
- The Director's Safety Award, Director's Service Award and Director's Stability Award traveling trophies will be given to the innovations making the greatest impact on MoDOT's [safety, service and stability missions](#). Cash awards of \$425 per individual or maximum of \$1,550 per team will be added to any other showcase winnings.
- Showcase visitors will vote for their favorite innovations with the top recipient receiving the Dickson People's Choice Award traveling trophy.

Innovations CHALLENGE Showcase

[Click here for event video.](#)

[Tool and Equipment Innovations Videos](#) (Click to watch videos.)

- Chipper Truck Hitch
- Curlex Unroller-A
- Curlex Unroller-B
- Flagger Cone
- Foldable Tailgate Chute
- Guardrail Height Jig
- Mobile Platform
- Portable Hydraulic Pump Station
- Removable Mud Flaps
- Sign Bracket for Columns and Poles
- Skid Steer-Mounted Weedeater
- Sponge Sprayer
- Trailer Pullout Ladder
- Truck Ladder Extension

[Productivity Innovations Videos](#) (Click to watch videos.)

- Back-Up Camera
- Barricade Leg Spring
- Barricade Trailer Lighting System
- Bridge and Culvert Inspection Maps
- Emergency Callout Meal Expense Payments
- eProjects Naming Convention
- Flagger Radio
- Full-Manual Signal Control
- Fluorescent Green Flagger Cone
- Ice Ban Additive
- Gas-Powered Post Driver
- JAWS Debris Remover
- Lens Protective Wrap
- Maintenance Job Numbers
- Maintenance Training Academy
- Pavement Repair Photo Documentation
- Retractable Mic Cord
- Sequential Channelizer LED Lights
- Skid Steer Culvert Clean
- Telespar Organizer
- Turn Lane Warrants

[Project Innovations Videos](#) (Click to watch videos.)

- Automatic Flagger Assistance Device
- BDB Toolbar
- Click Button Travelway Maintenance
- DOI Flashing Yellow Arrow
- Florida Flume
- Highway Safety Grant Management System
- Professional Development Institute
- Project Prioritization Tool
- Road Trippin'
- Safety Improvements Design-Build Project
- Texas DOT Barrier
- ThrU-Turns
- Traffic Counter Site Conversions
- Transportation Funding Calculators
- TRS - OT Choice Enhancement
- Underground Utility 3-D Survey Equipment
- Up-To-Date Location Sketches

Connecticut Creative Solutions Award Program

Have you or someone in your crew built a tool or device to help make a job safer or more efficient? Have you improved a process that has increased safety, saved time or reduced cost?

If so, this program is for you!

The Connecticut Creative Solutions Award Program:

Recognizes the innovative thinking and initiative of public agency transportation staff in the development of tools, equipment modifications, and processes that increase safety, reduce cost, improve efficiency, and improve the quality of transportation.

Promotes continued improvement and technology transfer: taking good ideas and documenting them so that they can be shared among the public works community.

Innovations, complex or simple, compete for the Connecticut Creative Solutions Awards. Up to three awards are given each year. The creative solutions are showcased at our annual Technology Transfer Center graduation and awards ceremony. Winners also have their creative solutions published in our Technology Transfer Center newsletter.

Judging Criteria:

- Safety (Did the creative solution improve transportation or environmental safety?)
- Cost Savings (Did it save money?)
- Inventiveness (How creative was it?)
- Transportability (How broadly can the solution be used?)
- Effectiveness (Did it solve the problem?)

What should you include in your submission?

- The completed submission form (below)
- A description of the solution and how it meets the award program criteria
- A video, photos or sketch of the creative solution



View our online guide of winning solutions:

http://t2center.uconn.edu/pdfs/CTCreativeSolutions_Award_Guide_15.pdf

Deadline –August 1, 2018.

Roadoe Planning Committee

Gary Apanasewicz, D4
Dean Lansing, CO
Ed Shonkwiler, D6
Scott Lucas, CO
Matt Simon, D3
Thomas Lyden, CO
Dave Ray, D5

2014 Team Up Equipment Displays



TOP Award Winners

Team Innovation Award

Endpoint Computing Team: Walter Renner, Jr.,
Shawn Stritz, Darrell New, Alex Teague (DoIT,
Districts 7 & 9)

Individual Innovation Award

Ronald Wise, District 2

Fiscal Responsibility Award

Kelly Stiles, DoIT

Outstanding Crash Reduction Award

Patricia Wetzal, David Beekman & Chad Mitten,
District 9

Communication Award (tie)

Vinton County Garage, District 10
Kevin Thomas, District 9

Unsung Heroes Award (tie)

Barb Krueckeberg, District 1
Ray Henry, District 10

Safety Innovation Award

District 7 Safety Team: Mark Hess, Pat Craft,
Doug Speck, Shane Summers, Gail Lindeman

Outstanding Leadership Award

Danette Shuler, District 8

Coaching Award

Kimberly Conklin, District 3

Extra Mile Award

I-70/270 Emergency Bridge Repair Team,
District 6 & CO Engineering

Shining Star Award

Joe Williams and J.D. Harris, District 9

Community Service Award

District 5 Christmas Family Team: Candy
Shoemaker, Tracy Greenwald, Joe Shultz, Bob
Gossett, Jeff Hipp

Humanitarian Award

Zack Livingston and Mike Scott, District 6

Food provided by OCSEA

Contributions for the food will be donated to
Combined Charitable Campaign & Enhanced
Lifestyles.

Team Up ODOT Planning Committee

Sheryl Bartolone, OCSEA, Co-Chair
Betsy Brown, D9
Jessica Koren, CO
Dean Lansing, CO
Scott Lucas, CO
Carol Schubert, CO, Co-Chair
Margaret Smith, CO

Director's Cup Roadoe Drivers

(This list may change due to emergencies.)

1 st Place	2 nd Place	
Frank Zamora	Leon Goyings	D1 Truck
Leon Goyings	Tom Mellinger	D1 Loader
Craig Eidenour	Dana Missler	D2 Truck
Chuck Theis	Jason Naus	D2 Loader
Mike Heffelfinger	Bill Workman	D3 Truck
Ryan Marks	Ryan Gorsuch	D3 Loader
Andy Jackson	Keith Stryfeler	D4 Truck
Alex Zavara	Glen Hillegas	D4 Loader
Derick Hanlon	Kody Gleba	D5 Truck
Scott Johnson	Marty Crane	D5 Loader
Frank Campbell	James Westfall	D6 Truck
John Walker	Robert Pace	D6 Loader
Ryan Orseno	Caleb Hoops	D7 Truck
Phil Cook	Rick Frederick	D7 Loader
Ova Ashley	Eric Schmidt	D8 Truck
Steve Gaeck	John Stubbs	D8 Loader
Aaron Moran	Chris Fulton	D9 Truck
Jamie Watson	Josh Havens	D9 Loader
Dan Davis	Gerrad Parry	D10 Truck
Andrew Briggs	Tim Hale	D10 Loader
Jim Large	Mark Lumley	D11 Truck
Marvin Butler	Dwayne Hatfield	D11 Loader
Joe Hejduk	Don Eddy	D12 Truck
Tommie Lawson	Will Powell	D12 Loader



Cookout for charity 2014

Team UP ODOT

"Innovation for the Future"

September 16, 2015

Ohio Expo Center

Director's Cup Roadoe



Partners in Quality



Team-Up ODOT



Questions

