

2018 “You Show Us” Contest

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SDDOT / Local Gov't Assistance



33rd Annual North Central Local Roads Conference
Rapid City, SD - October 17-18, 2018

“You Show Us” Contest

- Problem Statement
- Discussion of Solution
- Labor, Equipment, and Materials Used
- Total Cost
- Savings & Benefits to Agency
- PHOTOS!!

- One man's loss is another man's gain -



Judges

- Gary Brennan PE / Brosz Engineering
Office Manager - Bowman, ND
- Marc Hoelscher FHWA SD Division Bridge Engineer
- Jim Hyde SDDOT Pierre Region Operations Engineer
- Ron Bren SDDOT Pierre Region Bridge Engineer
- Raymond Roggow Retired SD Highway Superintendent

Judges' Ranking Sheet

The following is provided only as a tool. You can use the following simple score sheet to rank nominees from highest/best (5) to lowest (1).

PROJECT NAME:	Portable Bridge Safety-Work Platform	Trailer Airbrake Assistant	Crack Leveling Material Spreader	Skid Steer Snowplow
Safety Improvement				
Operational Efficiency				
Innovation				
Cost Savings				
Ease of Implementation by Others				
TOTAL:				

Please provide a comment or two as to why you selected your first choice:

COLORADO - Portable Bridge Safety-Work Platform

Zach Knight, Tim Stickel, Jim Reid - El Paso Co.



COLORADO - Portable Bridge Safety-Work Platform

Problem



COLORADO - Portable Bridge Safety-Work Platform

Solution



COLORADO - Portable Bridge Safety-Work Platform

Labor & Materials

110 hours labor - \$3,500

DOM tubing, guide wheels, modified clamps,
scaffold decking - \$5,900

Total = \$9,400

COLORADO - Portable Bridge Safety-Work Platform

Savings & Benefits



IOWA - Trailer Airbrake Assistant

Jamie Johll - Webster County



IOWA - Trailer Airbrake Assistant

Problem



IOWA - Trailer Airbrake Assistant

Solution



IOWA - Trailer Airbrake Assistant

Labor & Materials

Parts - \$400

Sand blasting, powder coating - \$235

Total = \$635

IOWA - Trailer Airbrake Assistant

Savings & Benefits



NORTH DAKOTA - Crack Leveling Material Spreader

**Darryl Wehner, Jeff MacLean, Scott Hirning,
Ramon Jimenez - City of Dickinson**



NORTH DAKOTA - Crack Leveling Material Spreader

Problem



NORTH DAKOTA - Crack Leveling Material Spreader

Solution



NORTH DAKOTA - Crack Leveling Material Spreader

Labor & Materials

Steel - \$50 (majority was salvage material)

Drawbar ball mount - \$16

Rope, bolts, nuts - \$20

Labor - 4 employees for a total of 40 hours

Total = \$86 plus labor

NORTH DAKOTA - Crack Leveling Material Spreader

Savings & Benefits



SOUTH DAKOTA - Skid Steer Snowplow

Marc Blum - Moody County



SOUTH DAKOTA - Skid Steer Snowplow

Problem



SOUTH DAKOTA - Skid Steer Snowplow

Solution



SOUTH DAKOTA - Skid Steer Snowplow

Labor & Materials

Labor (65 man hours) - \$924.41

Used snowplow - \$0

Skid steer mounting plate - \$159.99

Hydraulic hoses & fittings - \$154.36

Misc. steel - \$30

Total = \$1,268.76

SOUTH DAKOTA - Skid Steer Snowplow

Savings & Benefits



2018 North Central Region Winner



COLORADO - Portable Bridge Safety-Work Platform

Zach Knight, Tim Stickel, Jim Reid - El Paso Co.



Be Thinking of Your Entry for the 2019 “You Show Us” Contest



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