2019 “You Show Us” Contest

Noël Clocksin
SDDOT / Local Government Assistance

34th Annual North Central Local Roads Conference
Rapid City, SD - October 16-17, 2019
“You Show Us” Contest

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

- Gary Brennan - Brosz Engineering Managing Principal
- Marc Hoelscher - FHWA SD Division Structures Engineer
- Jim Hyde - SDDOT Pierre Region Operations Engineer
- Tim Blow - SDDOT Pierre Region Equipment Shop Foreman
- Raymond Roggow - Retired SD Highway Superintendent
# Judges’ Ranking Sheet

## 2019 North Central Local Roads Conference

<table>
<thead>
<tr>
<th>PROJECT NAME:</th>
<th>Sign Maintenance Safety Platform</th>
<th>Spring Load Arm Enhancement for Gravel Saver Disc</th>
<th>Street Blade Assembly</th>
<th>Strut Lifter for Motor Grader Wing</th>
<th>Truck Safety Step</th>
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<td>Safety Improvement</td>
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<td>Operational Efficiency</td>
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<td>Innovation</td>
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<td>Ease of Implementation by</td>
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<td>PLACE (1&lt;sup&gt;st&lt;/sup&gt; thru 5&lt;sup&gt;th&lt;/sup&gt;)</td>
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IOWA - Street Blade Assembly

Jerry Freestone - City of Clive
IOWA - Street Blade Assembly

Problem
IOWA - Street Blade Assembly

Solution
IOWA - Street Blade Assembly

**Labor & Materials**

Labor - 34 man hours for fabrication
Equipment – wire welder, plasma cutter, grinder, band saw
Materials – adhesive pad, magnetic parts tray, paint flat steel, round and steel tube, spring

**Total = $126.66**

https://youtu.be/FHa3h_FutLA
IOWA - Street Blade Assembly

Savings & Benefits
SOUTH DAKOTA - Strut Lifter for Motor Grader Wing

Beadle County Highway Department
SOUTH DAKOTA - Strut Lifter for Motor Grader Wing

Problem
SOUTH DAKOTA - Strut Lifter for Motor Grader Wing

Solution
SOUTH DAKOTA - Strut Lifter for Motor Grader Wing

**Labor & Materials**

- 4 Winches - $40
- Scrap Materials - $0
- Labor - $253.98

Total = $293.98 for a total of 5 ($58.80 per motor grader)
SOUTH DAKOTA - Strut Lifter for Motor Grader Wing

Savings & Benefits
COLORADO- Sign Maintenance Safety Platform

Scott Davis - Town of Breckenridge
COLORADO - Sign Maintenance Safety Platform

Problem

Old Sign Truck
COLORADO- Sign Maintenance Safety Platform

Solution
COLORADO- Sign Maintenance Safety Platform

Labor & Materials

Custom rack/folding safety platform
Paint

Total = $600
COLORADO- Sign Maintenance Safety Platform

Savings & Benefits
NEBRASKA - Truck Safety Step

Tyler Luebbe - Lancaster County Engineering
NEBRASKA- Truck Safety Step

Problem
NEBRASKA- Truck Safety Step

Solution
NEBRASKA- Truck Safety Step

Labor & Materials

Design, assembly, testing (2 days) – $560
Metal components - $175
Powder coating - $210

Total = $945
NEBRASKA- Truck Safety Step

Savings & Benefits
NORTH DAKOTA – Spring Load Arm Enhancement for Gravel Saver Disc

Tim Geinert - LaMoure County Highway Department
NORTH DAKOTA - Spring Load Arm Enhancement for Gravel Saver Disc

Problem
NORTH DAKOTA – Spring Load Arm Enhancement for Gravel Saver Disc

Solution
NORTH DAKOTA - Spring Load Arm Enhancement for Gravel Saver Disc

**Labor & Materials**

Design & fabrication (2 people) – 8 to 10 hours
Equipment – drill, welder, torch for heating
Salvage and new material

Total = $300

https://www.youtube.com/watch?v=GVhvn-eUnrA&feature=youtu.be
NORTH DAKOTA - Spring Load Arm Enhancement for Gravel Saver Disc

Savings & Benefits
2019 North Central Region Winner
NORTH DAKOTA - Spring Load Arm Enhancement for Gravel Saver Disc

Tim Geinert - LaMoure County Highway Department
Be Thinking of Your Entry for the 2020 “You Show Us” Contest