

Corrosion Mitigation in Maintenance Equipment

Rick Nelson
SICOP Coordinator



Manual of

Best Practices

for the Prevention of Corrosion on Vehicles and Equipment used by Transportation Agencies for Snow and Ice Control

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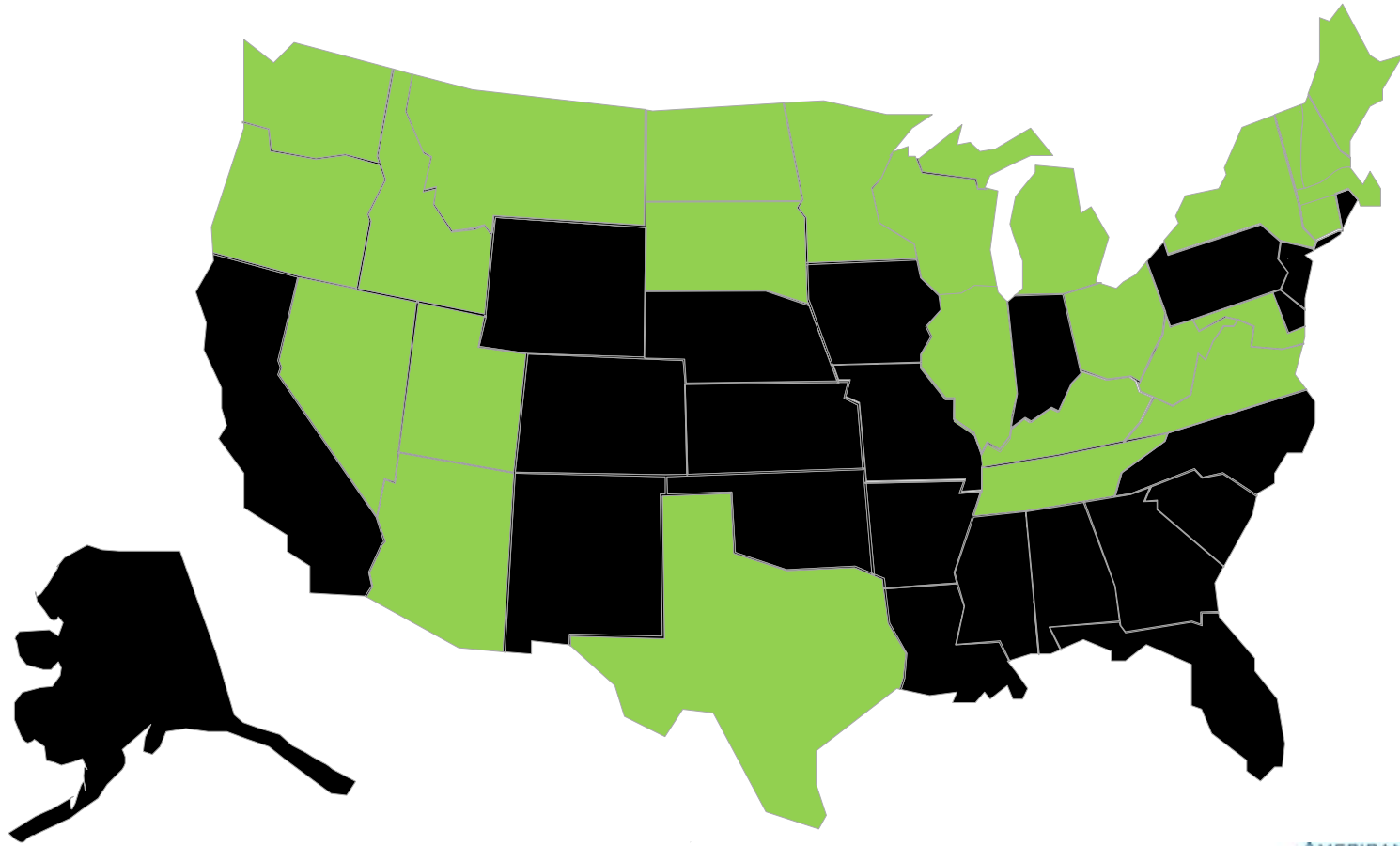
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Clear Roads Project 13-04: Best Practices for the Prevention of Corrosion on Vehicles and Equipment used by Transportation Agencies for Snow and Ice Control

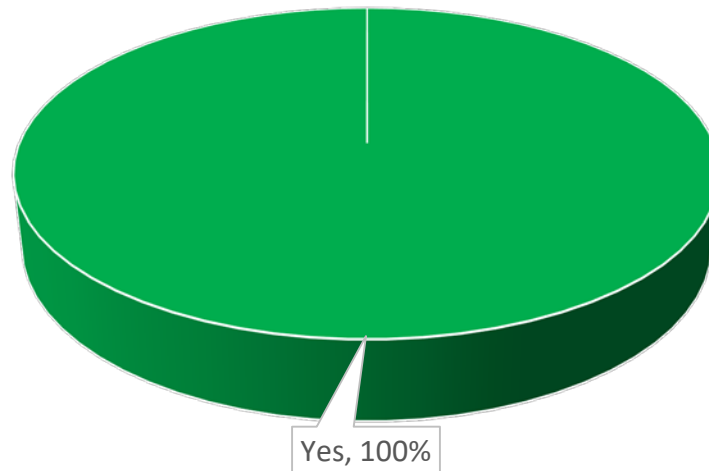


Survey Respondents



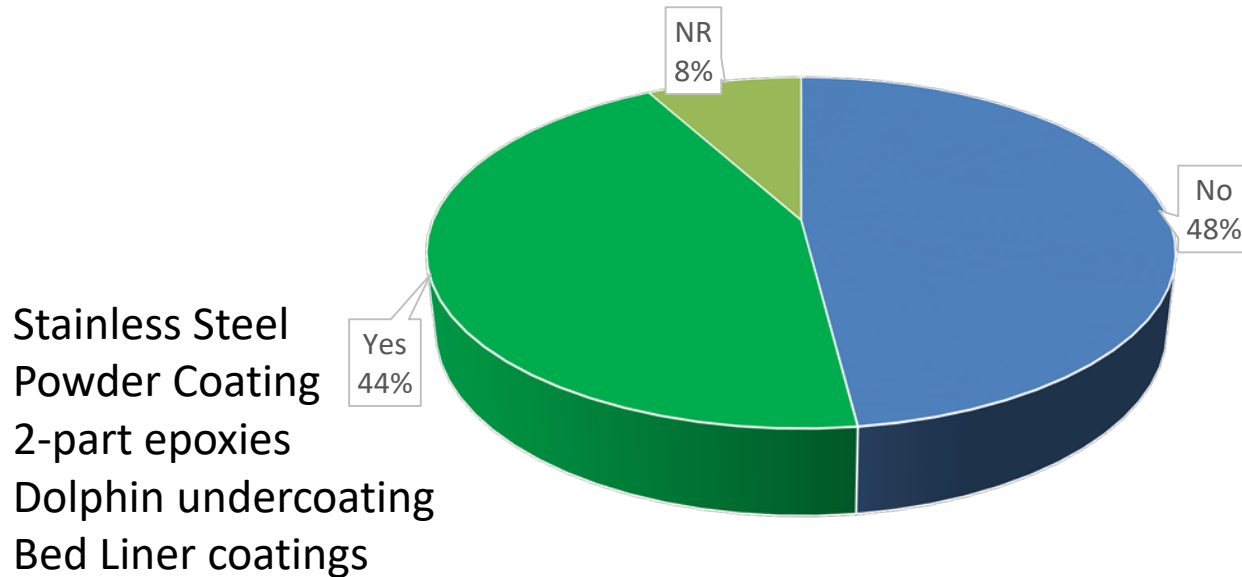
Corrosion Resistant Materials

Specifying corrosion resistant coatings on your winter maintenance fleet and/or attachments such as epoxies or other paint systems?



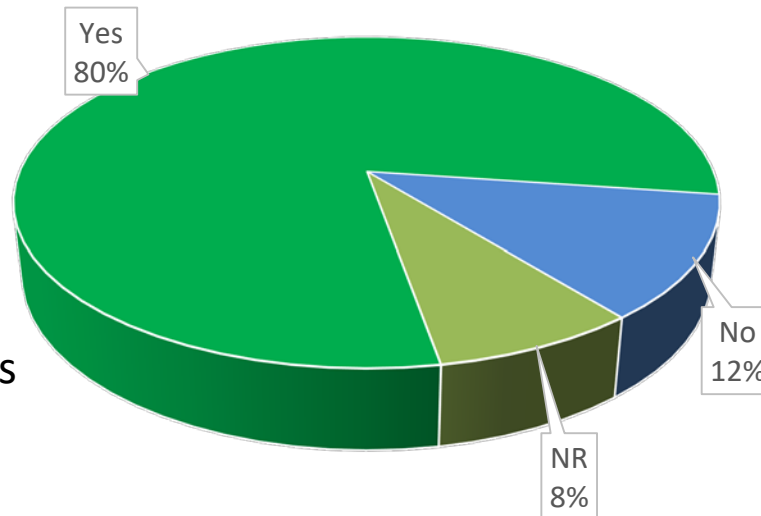
Corrosion Resistant Coatings

Specifying corrosion resistant coatings on your winter maintenance fleet and/or attachments such as epoxies or other paint systems?



Other Preventative Measures

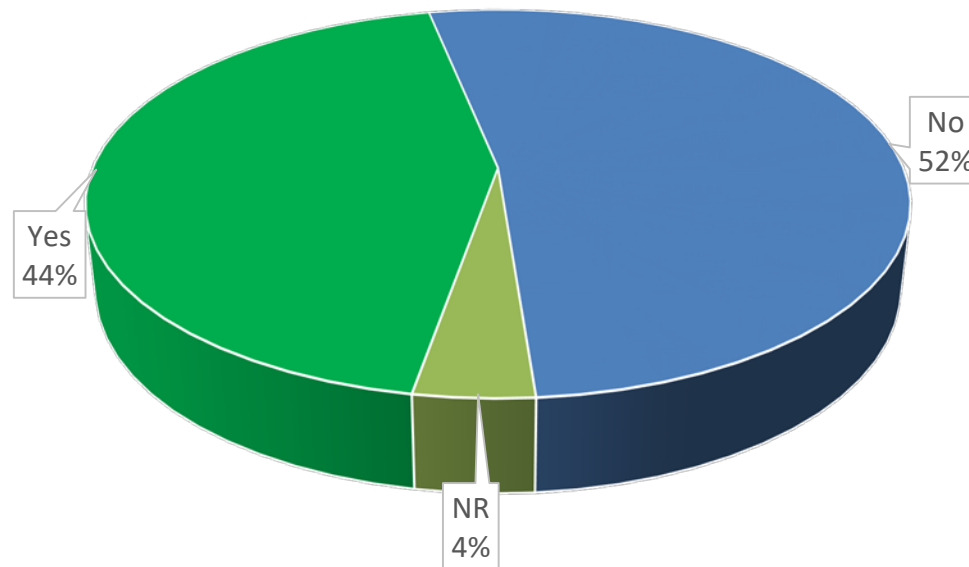
Utilizing other preventative measures like dielectric greases, special enclosures, sacrificial anodes



Weatherproof enclosures
Strategic placement
No electrical splices
Sealed looms

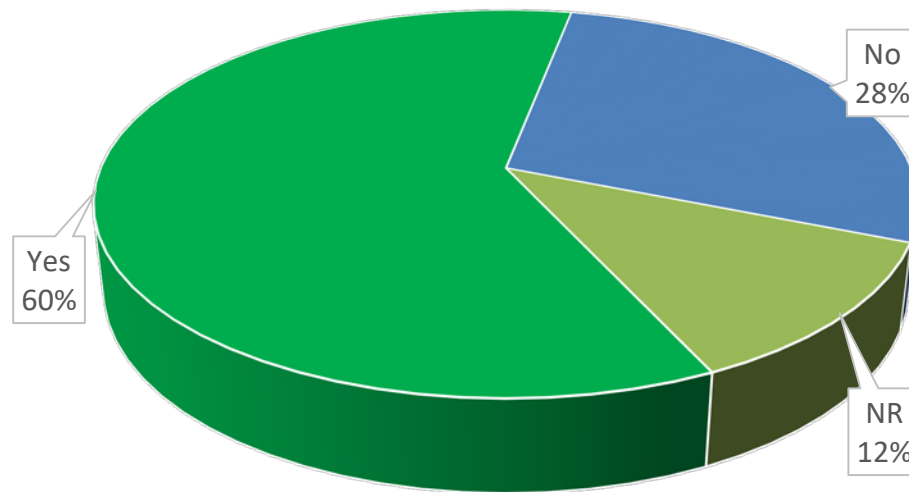
Programs for Rehabilitation

Dedicated programs for rehabilitation or replacement of corroded elements



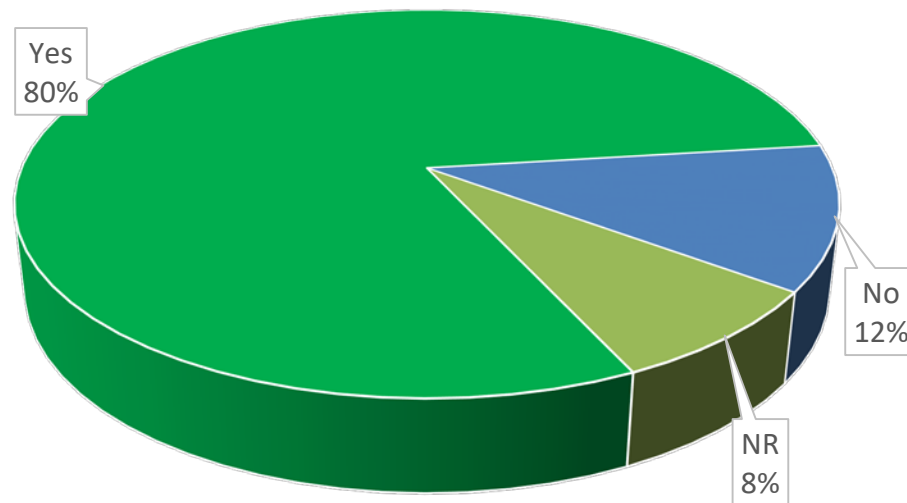
Policies for Equipment Washing

Programs or Policies the specify frequent equipment washing



Neutralizers & Corrosion Inhibitors

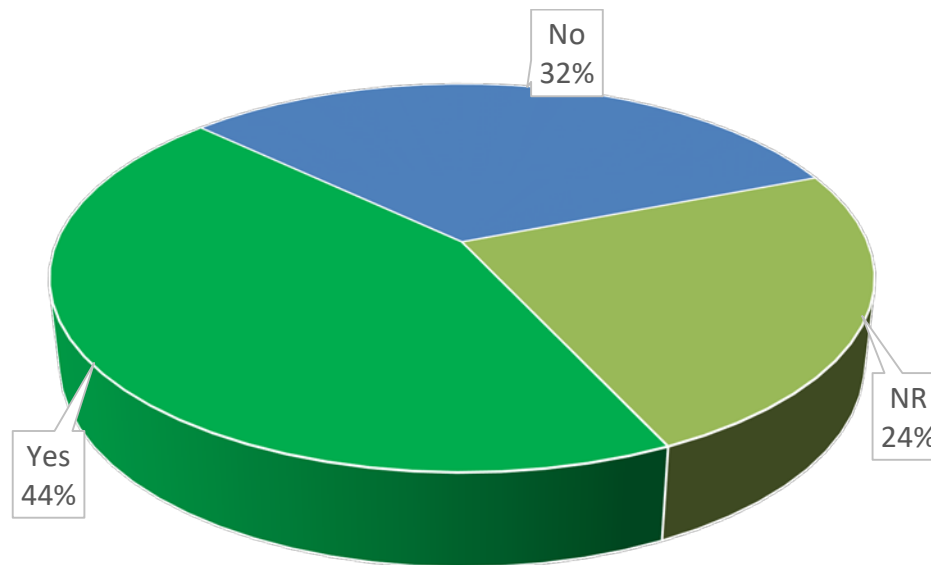
Use of neutralizers, spray-on corrosion inhibitors, or other similar products



Fluid Film
Chloride Neutralizer
Neutro-wash
Lubra Seal

Other Corrosion Programs

Any other corrosion related programs or products implemented



Other Programs

- Utilize as much stainless steel as possible (ID)
- Bed Chain lubricants (MA)
- Requiring single frame rails, Aluminum rims (MD)
- Using PNS specs for materials so materials have corrosion value 70% less than salt (OH)
- Composite lighting in place of Aluminum (VT)

Thank you for your attention

Complete survey responses available at
<https://sicop.transportation.org/resources/surveys/>

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